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<120> 90 Human Secreted Proteins

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<140> Unassigned

<141> 1999-02-04

<150> PCT/US98/16235

<151> 1998-08-04

<150> 60/055,386

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<400> 7
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 <212> DNA
 <213> Homo sapiens

<400> 8
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12

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73

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120

180

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256

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60

120

180

240

300

360

420

480

00774635-020101

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<212> DNA

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<223> n equals a,t,g, or c

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 gccttaagag atatttctat tagtgaagta aocaaaatgt tcttctctgc agccaaagaa 540
 ctttacacca aaaactgaac tgtgtgtaac catagtaaca ccaagcagct atttatttat 600
 aagtttttgc cattataatt ttgaccataa attaatattga ccatctctct tattaataga 660
 gaagtaaaaa atgtaagttg accttctctt agattatgtt caatgaatat tgtaaatgtt 720
 caagtattgt taatgaatag aataaatata atattgcatt cccaaaaaaa aaaaaaaaaa 780
 actcga 786

<210> 19
 <211> 510
 <212> DNA
 <213> Homo sapiens

09774639-020101

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<400> 19
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 ctccccacca accctctgag tctgaagtgg ggcttgatgc tgttatcact gaccttttgt 120
 ttggagaaaa cagtcacaagg tttgaaattg ggtctatggt tattcaaaact aagcttctct 180
 gtgcacatgtg tctgtccccac tcattcctcag agtatccggt ggttttacct catgttcaga 240
 ctgcagtgtt gttaaagaaa taaagctaca gtgttttcag aaggatttgt tatattatac 300
 ttcattgttc cactgtccca ggctaagcgt ctctctggg ctccatttgt taatgcagga 360
 caaagccagg ttttctggca gcttctttt catagcaatt ctacgtagag gtatagaatg 420
 agacctgcct accttcttgg gtgtttatta cccatttgt ggattttact ttaacttctg 480
 ttaccttaaa aaaaaaaaaa aaaactcga 510

<210> 20
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (749)
 <223> n equals a,t,g, or c

<400> 20
 gagctgcctg atggaagaa gagaagaaag gtctctggcg tcccccaaca ccgaggcccc 60
 aaaaatcaggt tgcgggacaa aggcacaagt aagcccgctc atccccaaaa gccaaaagcca 120
 cagataaacc agtgggaagca ggagaagcag caattatcgt ccgagcaggt atctaggaaaa 180
 aaagctaagg gaaataagac ggaaacccgc ttcaaccagc tggtcgaaca atataagcag 240
 aaattattgg gaccttctaa aggagcacct ctgtcaaaaga ggagcaaatg gtttgatagt 300
 tgatgatcgg agcaggctgg gtaagaagct ggtgtgtgta ctttctgggt acactcctgg 360
 gctctcctcc atccccctg tctctcactg agggaaaaga aatccccaa ggcaactgcca 420
 ctgtgctcgg aggtgcctg gactgtgtac atctgaactt tgggtccatc tttgatgtgt 480
 ggttcgttag ccacaaagag aaatatctga aagtcacat gatgcttctt gcataattac 540
 cagattattg tatgaagtgt tgtctataat tattaccaat ttttattctt tatttctcaa 600
 atggaacac ctgaaaaagc attctggagt gctgaatttt taagatgtat attttgttaa 660
 gcataattct taaatgagat attgtgtggc tttttagtaa caacgtcat tctaataaaa 720
 aaaaaaaaa aaaaagaaaa gaaaaaana 750

<210> 21
 <211> 838
 <212> DNA
 <213> Homo sapiens

<400> 21
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 tgttgtgtct atctgttaac tgcacaaata ttaccaaat gcttaccaag agccaaggac 120
 tagacttgcc actgggtaga aactagtaga gcatggctct tctctacat agaacttag 180
 catttttag atgagttccc agacatggct cagaagggtc cagttcacac cattaggcaa 240
 ggcagtatatt gaataaaaag tcattgtctaa tactaaatcc agtatgtct ctctctcagg 300
 attttactct cattgtgcc ccttggttgg ctatgctctt cccagacac gtgcacagct 360
 catttaactt agatctcatt taatttagat ctctcaatta atttagatct ctgttgcaaa 420
 aaaaaaaaa ccttaggcag caaggtctaa catatcatcc tcaaatataa gagaaagccc 480
 ttgtgtgtta tttttctta tagcattac caactcccg tagaatgtaa actccagtag 540

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ggcacatatac ttgtcctctt ttatttactg ctctattccc agcaccaggaa cagtcccttgc 600
cacaaagtag gtgctcaata aacatttgggt gaatgaatta acctagtgtt ctttttacct 660
acacatgcac acacagagcc atgacactcc tgccgaggaa gctcgcggt ctaagaggga 720
cattaaagaa aaagcaattc agtgctgcc aaagagtaga acatgtttg acagcaggat 780
cagcttgggt ggtggacca caatgggtg cagaccaaga aaaaaaaaaa aaactcga 838

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<210> 22
<211> 1061
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (138)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (460)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (473)
<223> n equals a,t,g, or c

```

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<220>
<221> SITE
<222> (1048)
<223> n equals a,t,g, or c

```

```

<400> 22
acaccaatgg agacataatt gtgggcagac tatgacaacc gttgggtcag catcttctcc 60
cctgaggggc aagttcaaga ccaagattgg agctgggccc cctcatgggc cccaagggag 120
tgcccgtaga ccggaatnga catatcattg ttgtcgacaa caagtcttgc tgcgtcttta 180
ccttcacgcc caatggcaaa ctggttggcc gttttggggg ccgtggggcc actgaccgcc 240
actttgcagg gccccatttt gtggctgtga acaacaagaa tgaattgtga gtaacggact 300
tccataacca ttcagtgaag gtgtacagt ccgatggaga gtctctcttc aagtttggct 360
cccatggcga gggcaatggg cagtccaatg cccccacagg agtagctgtg gactccaatg 420
gaaacatcat tgtggctgac tggggcaaca gccgcattcc aggtattcga canctctggc 480
tccttctctg cctatatcaa cacatctgca gaaccactgt atggttccaca gggcctggca 540
ctgacctctg atggccatgt ggtggtggct gatgctggca accactgctt taaagcctat 600
cgctaccctc agtagctgta cagaggccct gcctggcttg tggagggaca gacattgggg 660
tgattggaca agagggctctg gctgggaggt gggccagacc tggcagcact gaattgtggc 720
tggtggcgat ggtgcaccgc gtgcctctcc tctctacccc ccaccccac ggttgcactt 780
tatttattcg gttcttctgt ttgtgactgg gtgagccttg actgtgtgac caaggatgtg 840
tgcagagctt caccctaccc ttcttacaac cctccccacc cctgtcagtc tgctccccat 900
ccccagctt gggggcagaa cagcctaccc caggacagga gtccctctag ttgtctccct 960
accacctat acacactgac agagacagca atacccccc ccccatatta aataaatgtc 1020
ttcaccaaga aaaaaaaaaa aaaaaaanac tcggggcacg a 1061

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<210> 23
<211> 884
<212> DNA
<213> Homo sapiens

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<220>
 <221> SITE
 <222> (307)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (356)
 <223> n equals a,t,g, or c

<400> 23
 tgcaccacag cgtccgccgg atggttgcca cccctcctgc tgtaggatgg aagcagccat 60
 ggagtgaggag ggaggcgcaa taagacaccc ctccacagag ctggcatca tgggaagctg 120
 gttctacctc ttccctggctc ctttgtttaa aggcctggct gggagccttc cttttgggtg 180
 tctttctctt ctccaaccaa cagaaaagac tgctcttcaa agtggagggt cttcatgaaa 240
 cacagctgcc aggagcccg gcacaggctg ggggcctgga aaaaggaggg cacacaggag 300
 gaggggangga gctggtaggg gagatgctgg gctttacctt agtctcgaaa caagnggca 360
 gaataggcag aggcctctcc gttccaggcc catttttgac aratggcggg acggaaatgc 420
 aatagaccag cctgcaaraa aracatgtgt ttgatgaca ggcagtgtgg ccgggtggaa 480
 caagcacagg ccttgaatc ccaatggact gaatcagaac cctaggcctg ccatctgtca 540
 gccgggtgac ctgggtcaat tttagcctct aaaagcctca gtctccttat ctgcaaaatg 600
 aggtctgtga tacctgtttt gaagggttgc tgagaaaaat aaagataagg gtatccaaaa 660
 tagtctacgg ccataccacc ctgaacgtgc ctaatctcgt aagctaagca gggtcaggcc 720
 tggtagtagc ctggatgggg agagtatgga aaacatacct gcccgagtt ggagtggac 780
 tctgtcttaa cagtgcgtg gcacacagaa ggcactcagt aaatactgt tgaataaatg 840
 aagtagcgat ttggtgtgaa aaaaaaaaaa aaaaaaaaaa aaac 884

<210> 24
 <211> 711
 <212> DNA
 <213> Homo sapiens

<400> 24
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 gagtcttgct ctgtcaccta ggcctggagta cagtggcggt atcatagctc actgtaacct 120
 tgaactcctg ggcttgagca accctcctgg cacaatctcc ttgaaatgat ggtcccaaga 180
 gccagacaga acggacttcc tcccttatgc ctcatcaagt tagagagaga agagctca 240
 tccccaaat gcttatgaac acataactct actgattcct gacctgacct gctctggcct 300
 caagagggcc aaatgctcaa ttcttgagt tcaaatcttt ttccctgtat ttctcact 360
 gtgggggtcca cctctgtccc tctgactcac agaattgac tgcccccttc cttcttatga 420
 tagtctctca gaggctgaa gacagaaaag atactctctc tgagtcttctc tgaagtggaa 480
 tactcccaat caccccaac agagttagtc agtgcaggaa aagtatagtt ttgtgatcag 540
 agttgtattc aaaattccat atcacaactt actaactaca tgacctagag tatgttcttt 600
 cactctacag aggcaggagc attgtgagga ttaagcgcc tagccaggaa taggccatag 660
 tatgtgtcta ataatgata cttctcaaga taacaatctc gtgccgaatt c 711

<210> 25
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (48)
 <223> n equals a,t,g, or c

<400> 25
 ctgcgaanttan ccccaactaag ggaacaaagc tggagctcca cgcggtgncg gccgctctar 60
 aactagtggga tccccggggc tgcaggaatt cggcacgagc ttttccaaaa tggcgtgtact 120
 aattttacatt cccacccaaca atgtttcaagg atttcatatt cttgacattc ttacccaaaat 180
 tgtcacagtt tgtaaaaggt agtctaataa gtggcctaag tgaatgtgac aacacttcat 240
 tgaagcaaat cttagggtttt tccaactata gtcaataata acttaattgt acatttctaaa 300
 ataaactcaaa gagtgttaatt ggattgcttg taacttaaag gataaatgtc tgagggggatg 360
 gatgcctcat tctccatgat gtgcttattt cacattgcat gccctgtatca aaacattaca 420
 tttatcccat aatatacaca gttactattg acccccaaaa aataaacatt aaaattaagt 480
 tttcaaaaaa aaaaaaaaaa aactcga 507

<210> 26
 <211> 2232
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (715)
 <223> n equals a,t,g, or c

<400> 26
 ctccccaggcc cgcgaacttg gccattcagc cgcgcgtgtc cccgctgcgc gccctcgcgc 60
 ctctgcctga raagccaggc gctgttcccc caccocagaa gaggatggca aaggtggcta 120
 aggacctcaa cccaggagtt aaaaagatgt ccctgggcca gctgcagtca gcaagagggtg 180
 tggcatgttt gggatgcaag gggacgtgtt cgggcttcga gccacattca tggaggaaaaa 240
 tatgcaagtc ttgcaaatgc agccaagagg accactgcct aacatctgac ctagaagacg 300
 atcggaaaaat tggccgcttg ctgatggact ccaagtattc caccctcact gctcgggtga 360
 aagggcgggga cggcatccgg atttacaaga ggaacccgat gatcatgac aacctattg 420
 ctacttggaaa agatcccaact ttggacacca tcacctacga gtgggctccc cctggagtca 480
 cccagaaaact gggactgcag tacatggagc tcatccccaa ggagaagcag ccagtgcacg 540
 gcacagaggg tgctttttacc gcgcgcgccca gctcatgcac cagctcccca tctatgacca 600
 ggatccctcg cgctgcccgtg gacttttggga gaatgagttg aaactgatgg aagaatttgt 660
 caagcaatat aagagcgagg ccctcggcgt gggagaagtg gccctcccg ggcanggggtg 720
 gctttgccaa gaggagggga agcagcagga aaagccagag ggggcagaga ccaytgctgy 780
 taccaccaac ggcaktytca gtgaccgcct caaagaagaa cgcgtgctag cagtcccaact 840
 cgtgtgtataa cccatttaac tattaaagcca taagtggatt aatcatcttc tgaggacctg 900
 agcccttcacy acccaatcat ctcttaaaagg ccccacctct caatactgcc atgcagagga 960
 ttatgtttca acctgagttg ttggagggga tgttcaaccc ataggaagtg gcagtgtgga 1020
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 cagagtgtgg gagatgaaag cctcatggct tggttgttct taaactcccc cacagaagcg 1140
 gaaaggaatg cttgaggctg gaccacgtgg gtctagcgtg tactgcgttt ctgggtcccca 1200
 gccctctgtt taccttttgc tctctctgcc ccatcaacca agtgtcttca tttgtttcta 1260
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 ccttgtctgaa caggctggca gtccacatg agccaggcga cccaggggca agcaggccca 1380
 aacgaagctg ctgccacatc cagagagggc cggactcttt ctcccttgta gtcaactcag 1440
 ctaatcatcc aaaacctgca tctctcatct ccaagcccca tcttattagc accatctggg 1500

0774639.060304

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attgccaacc aagaactctg tttatctgag aactctaaga ccaagaaca agatttattt 1560
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cctaaggatg taataaaaaa aaaaatatta gatctagtta ccatggkcta taaactggtc 1680
ttttcccgcc ccaccctgat cctggcttct gtccaccctc aaatagctgt ttgktcataa 1740
accctaaata ctagataatt ctaagtggga aggagacctc taagtcactg tagcatttcc 1800
aaatcgccat toccaagaga catgtggatc tgacatcgtg ttttattctt gactgagcct 1860
cgayattttg ttctgtgtgg aacaaaggca aaggcagccc aagaacccgg gtcccttgctt 1920
acagtccagt ttaggaaatg attgtgaact tgggaagcat ttaaatagca atactagaca 1980
gtaaatggaa aaggccaaga tcagaaaata agtagggatt ccaaagggaag cctttattgg 2040
ttgggctagg ctgggctagc tgtgggaagt agacttctat gtccctgccc caaccacaat 2100
ttacttttaa ttattatgta attagtgaat cgatgtctgt caccgtctgt agatgctgag 2160
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ccatgaaaaa aa

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<210> 27
<211> 640
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (4)
<223> n equals a,t,g, or c

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```

<220>
<221> SITE
<222> (15)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (17)
<223> n equals a,t,g, or c

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```

<220>
<221> SITE
<222> (21)
<223> n equals a,t,g, or c

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<400> 27
ngmgtgacc tatanangta nccttcagta cggctccgaa ttccccgggc gaccacggc 60
tccgaggaga tgcctcaaaa tgtcaattgc tttaaactta aattacctct caagagacca 120
aggtaacattt acctcattgt gtatataatg tttaataatt gtccagagcat ttccagggtt 180
tgcagttttta ttctctataaa gtatgggtat tatgttgctc agttactcaa atggtagtgt 240
attgttttata ttgttaccoc aaataacatc gtctgtactt tctgttttct gtattgtatt 300
tgtgcaggat tctttaggct ttatcagtg aatctctgcc ttttaagata tgtacagaaa 360
atgtccatat aaatttccat tgaagtgcga tgatactgag aagcctgtga agaggagaaa 420
aaaacataag ctgtgtttcc cctaagttt tttaaaattg tatattgtat ttgtagtaat 480
attccaaaag aatgtaataa ggaataagaa gagtgtgct tatgtttaagt cctaacacta 540
cagtagaaga atggaagcag tgcaataaaa ttacattttt cccaaaaaaa aaaaaaaa 600
aaaaaagggc ggccgcctcta gaggatccct cgaggggccc 640

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<210> 28
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (407)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (408)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (409)
 <223> n equals a,t,g, or c

<400> 28	
gaattcggca cgagtgcagc ttcatctttgg gctgccttag ccatgaagct ccttttgctg	60
acttttgactg tgctgctgct cttatcccag ctgactccag gtggcaccca aagatgctgg	120
aatcttttatg gcaaatgccg ttacagatgc tccaagaagg aaagagtcta tgtttactgc	180
ataaataata aaatgtgctg cgtgaagccc aagtaccagc caaaagaaaag gtggtggcca	240
ttttaactgc tttgaagcct gaagccatga aaatgcagat gaagctccca gtggattccc	300
acactccatc aataaacacc tctggctgaa aaaaaaaaaa aaaaaaaaaa araaaaaaaa	360
aagaaaaaaaa actcaagggg gggcccgta cccattcgcc ctatgtnnnt cgt	413

<210> 29
 <211> 1122
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (948)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1107)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1116)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1121)

<223> n equals a,t,g, or c

<400> 29

ggcanagcta	accgcagctc	ctactacttc	ctcttcgccc	ccaccttggt	ctacgagctc	60
aactttcccc	gctctcccc	catccgggaag	cgctttctgc	tgcgacggat	ccttgagatg	120
ctgtttcttca	ccagctccca	gggtggggctg	atccagcagct	ggatgggtccc	caccatccag	180
aaotccatga	agcccttcaa	ggacatggac	tactcacgca	tcactgagcg	cctcctgaag	240
ctggcggttcc	ccaatcacct	catctggctc	atcttcttct	actggctctt	ccactcctgc	300
ctgaatgcgc	tggctgagct	catgcagttt	ggagaccggg	agttctaccg	ggactggttg	360
aactccagat	ctgtcaacct	cttctggcag	aactgggaaca	tcctgtgtca	caagtgggtgc	420
atcaggttagg	tggggtgtgt	gtgtgtgtga	tgtggaaacat	ggctgtgaac	ctgaaccgct	480
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agtggtatggc	caggacaggg	gtgttctctg	cctcggcctt	cttccacgag	tacctggtga	600
gcgtccctct	gcgaatgttc	cgctctctgg	ckttcacggg	catgatggct	cagatcccac	660
tggcctgggt	cgtagggcgc	tttttccagg	gcaactatgg	caacgcagct	gtgtggctgt	720
cgctcatcat	cggacagcca	atagccgtcc	tcattgactg	ccacgactac	tactgtctca	780
actatgaggg	ccagcgcca	gaggcctgag	ctgcacctga	gggcctggct	tctcactgcc	840
acctcacacc	cgtgcgcaga	gccaccctct	cctcctaggc	ctcgagtgtc	ggggatgggc	900
ctgggtgcac	agcatcctcc	tctgggtccc	gggaggcctc	tctgcctcta	tggggtctctg	960
tcctgcaccc	ctcagggtat	gcgacagcag	gccagacaca	gtctgatgcc	agctgggagt	1020
cttgtctgacc	ctgcccctgg	tccgaggggt	tcaataaagt	gctgtccagt	gaaaaaaaaa	1080
aaaaaaaaac	tcgagggggg	gcccggnacc	caattngccc	na		1122

<210> 30

<211> 778

<212> DNA

<213> Homo sapiens

<400> 30

ggtttctctgg	ccaagaggag	caattttctgt	gccatcagca	aaaagctgaa	tttgatccca	60
cgtgtggagc	gcgagtatga	tctgaaagtg	cccagagaca	tggcttaact	cttctgtggt	120
gctttatgtgc	ccttgagctg	cgaatcatt	gagcaggtgc	tagagcgccg	astggcaggg	180
ccttgatgag	gtggtacggc	tgtctaacgt	magtgacttt	gcattccacg	atatgactaa	240
ggaagacaag	gcttccagtg	agtcctctgc	cctcatcttg	gtggtgttct	tgggtgggtg	300
tacattctct	gagatctcag	cctcccggtt	cctgggcaga	gagaaaggct	acaggttcat	360
tttctctgac	acagcagctc	caaacagcgc	tcgccttatg	gaggccatga	gtgaggtgaa	420
agcctgatgt	ttttccggcg	cagtggtgac	atcttccctg	aacacattcc	tcagtggagt	480
gcaggcatct	ggcaccacgc	tgtctatacc	aagtgtccac	caactacctg	ctaagaccgc	540
ggagcatgga	acgtgttggg	atttagagaa	cattatctga	gaaaagagtt	cacttcttgc	600
tcaccagata	tttctctttt	ctgtttatga	agtacaaccc	atgtctgctaa	gatgcgagca	660
ggaagaggca	tcctttgtcta	aatcctgttt	gaatgtcatt	gtataataag	ccctctgctct	720
cagatgttaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaggg	ggggggggc	778

<210> 31

<211> 2476

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (853)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2227)
 <223> n equals a,t,g, or c

<400> 31
 actcaagacc ctgtgcaacct ctccagcaggc ctttgctgga cagatgaaga gtgacttggt 50
 tcttgatgat tctaaagaggt tatcaatact ctggctgacc atcgctacatg tgggactgac 120
 ttgtgtggaa gtcccttggtt acttatactt actgtgttct tgagaagtta taaatttgcc 180
 atctccctct gcacaagtta cctttgtgtg tctttctctga agactatctt cccgtctcaa 240
 aatggacatg atggatccac ggatgtacag cacagagacca ggaggtccaa cygccgtaga 300
 cagggaagtaa tcaaaatttgt cctggaagac atctttactt tatggagaca ggtggaaacc 360
 aaagttcgag ctcaaaattcg taagatgaag gtgacaacaa aagtcaaccc tcatgacaaa 420
 atcaatggaa agaggaagac cgccaaagaa catctgagga aactaagcat gaaagaacgt 480
 gagcaccggag aaaagggagag gcagggtgtca gaggcagagg aaaatgggaa attggatatg 540
 aaagaaatcac acacctacat ggaaatgttt caacgtgcgc aagtttgctgg cgccggggcag 600
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 gtttgcctgt tctctctgtct ttggacata gtctgccagg tcaggacatg gatacatatt 720
 tctccctacg gctctgtgct caagccctcg agaggggagat ggcagagagg aaggctgctct 780
 acaaagcatca cagtcccatc actgttggtta accgtgttgc gcaaaaacac ctctatcccc 840
 acccagtgagg gcncccatc taatatctta agtgtcagag gtctccgtatt tgtaatarca 900
 aatggggcct ctggtgaaat tagtgaagag tgaatgtaac ttattaccaca cagggacaat 960
 tccaaatgag ggccttaaat gatgctcagc taagctgggt cttgtgtggc ctctgtacct 1020
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 ccagtccctaa ctgactctct gaggtgaagt tgttctgtca gaaaaccctc tcccagttcc 1260
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 tgatatgaca ctgatactgc tatttttgaa cctggaggat ggaagaggtg aaaaatctat 1920
 caccagcaac agaaggtgca gacygtgttg gtggcggtta ttttgtccat caaatgaata 1980
 tgtgtgaaaa cattccctcc ttgggcctta caggttcagaa tggcggcag yagacatcgt 2040
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 acacctnccg agtgtctgtc cactccctct ccacctctag ctccacctc agcggatgat 2280
 aatctcaaga cactctccga gtgtgtctgc tcaactccctc tccacctca gctccacctc 2340
 cagcggatga taactctcaag acacotccca agtgtgtctg ctactctccc ttccacctct 2400
 agtggatgat aatctsaaga aactaasgaa gaataataaa ataataaaa aataaaaaaa 2460
 aaaaaaaaaa actcga 2476

<210> 32
 <211> 691
 <212> DNA
 <213> Homo sapiens

<400> 32
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 tttcagtaat ggcaaaataa acttgaaatc cataatgagt ttatatctat catcatccac 120
 tgaacacagta taaaaacaag attcttatat taagagattc tacatttttc tgtttacttc 180
 ttgaatatgt tccataatca ttttataatt gaacataatt tgttgatttt ttgttaataga 240


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<210> 33
<211> 700
<212> DNA
<213> Homo sapiens
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<210> 34
<211> 1722
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> n equals a,t,g, or c
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```
<220>  
<221> SITE  
<222> (413)  
<223> n equals a,t,g, or c
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400> 34									
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ggggcagggt	ccagagaggg	tggttgtctg	ctgcacagac	ttacatttat	tccttggttc				180
ccacagagag	gcaaaaagc	ctctcactcg	gatcagagca	ccacgaagat	tcataatgca				240
gggtctcttc	tctctgact	cccgcatcgt	ggctagtgcc	tcctttgaca	agtccatcaa				300
gctctgggat	ggcagagcgg	cgaaagtacc	ggcttcctca	cgccgcacg	tggctgcgct				360
tgcaccagat	gcgtgggtcg	ctgacagtgc	gctctctctg	agccgcagca	gtngacagca				420
cactgaaggt	gtgggatgtg	aaggccccaga	agctggccat	ggaactgcc	ggccacggcg				480
atgaggtata	tgctgttgac	tggagtcag	atggccagca	agtggaagc	ggtggggaag				540
acaaatgcyt	cgggatatgg	aggagatatg	acggcccgaa	gttctctctg	acccccacct				600
cgactcggcc	ctgcgcagct	gccttcctct	ccagagataca	aaggtctgta	tcggcagtga				660
caacaccttc	ccacagatgt	ggaccttgaa	ctgcagtgac	ctctgtgttc	tccgatgaac				720

ggaatgggggt	tttcccacag	atccccgcct	gtggcacacc	ccagagccag	aaatcgaagg	780
tcacaggaag	ttgtcactga	acttggcccg	tgctctgtac	tctgtacctt	gctgggtacag	840
acaggggttg	tgggcagcca	ggctctatga	gtgggcccct	agtgtcagct	ctgtacaggg	900
tcagatccca	ggttctatga	ccaaataagt	aacttaagtt	ttgtgtgttg	ggttcttaatt	960
ctttgtcccta	gaatccccat	gactcaatca	aggactgtgc	taaatgagat	tgctccagccc	1020
ccgccccttg	actggactac	gccaaaacca	cactgaccag	gcacttgcct	tcctctctctt	1080
cccccggttg	gtaagagag	agggccagttg	tgatagtggc	caaggagaat	ctagggctgtg	1140
attgttgtcc	actgcagtag	gcaccggcca	catgtgactg	ctggcatgaa	atagaagtgc	1200
agttctctcca	tcgcactggg	taaggcctcc	agtattggac	agcacacaga	aagggttttca	1260
tcatacaagag	agttctgtgt	gtcagccctg	ctccagggga	tgccctctgc	ttcgcatagc	1320
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gaaggtgatg	gctcttccag	aggattccct	cagatgggga	ggcagcagta	tgagctctga	1440
gcagaaagtg	gtattgttga	tacagaggaa	gttctttgcc	acgagaacct	tcaagcagtg	1500
aaaggaattc	ccatcaggac	tcagacccca	ggccgagatc	ttgccctgaa	tgtaccctgc	1560
ctctgctttc	tcctgcatcc	catgctaagc	agggctcatg	tctgaaactac	tcagatttga	1620
tttccaaacc	atccttgtat	aaactgctca	gaactaraaa	aaaaaaaaaa	aaaaaaactc	1680
gagggggggg	ccgtacccaa	ttccgcctat	agtggatcgt	at		1722

<210> 35
 <211> 878
 <212> DNA
 <213> Homo sapiens

<400> 35						
gcccacgcgt	ccgcccacgc	gtccggagta	cgctcgggag	ccctgcccct	ggcgaattgt	60
ggatgatgac	gggtggagcct	tcactatggg	tgctacgggt	ggcggagttct	tcacggccat	120
caagggtttc	cgcaatgccc	ctgttggaa	tcggcacccg	ttgagaggta	gtgccaatgc	180
tgctgagatc	cgagcccccc	agatggagg	tagcttcgca	gtgtgggggg	gcctgtttct	240
ccacatygac	gtggccctgg	tgccgcttcg	gggcaaggag	gatccctgga	actctatcac	300
cagtgtgagca	ttgaccgggg	ctgtgctggc	tgcccgcagt	ggcccactgt	ccatgtgtgg	360
ctcagcaatg	atggggggca	tcctgtttgg	cctcatttag	ggcgtttgga	ctctctctac	420
tcgctacaca	gcccagcagt	tcgcaaatgc	gcccccatc	ctggaggacc	ccagccagct	480
gccccctaa	gatggcaccc	cgggcccagg	ctaccccagg	tatcagcagt	accactgagg	540
aagccactgc	caccatggga	gctactttct	ggttcccttc	ccgatgtgtc	acctcgaagg	600
gagggctcgc	tcaccagttg	ccctggggacc	ctccagagag	ggttttctat	ctgctcccta	660
gtccccagg	gggggtgggg	caccccagct	gccctcagag	atgggtcccc	ttttctctct	720
tcaggggcacc	ccagccccac	actcacatgt	acgaagtttc	caccccagct	cctttgtgtg	780
gcacctctgat	gagttattaa	agccccgttt	gaaatgccwa	aaaaaaaaaa	aaaaaaaytc	840
gggggggggg	cccttaaccc	atttggggcct	taagggggg			878

<210> 36
 <211> 954
 <212> DNA
 <213> Homo sapiens

<400> 36						
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ggggccaggc	acttcccaca	ccgaggggcag	ggcctggcca	ctccccagct	ccagtgcgcc	120
ccagcgcacc	ccaaaggagat	gggggtttcac	acactgcacc	gcaaggacag	actgaccacg	180
gcccaggagc	agggcaacct	gcacaaactg	ggccctctgt	ggccttctct	ccattgtctc	240
accaggaact	caaggagatcc	ccacaccttg	gcagctcagg	gtccccagtc	caagccccttg	300
acctctctct	tatccagacg	cgcacagctg	tttctgtgtg	ggatgggggt	aggtgtgtggg	360
ccatgcccagg	cctgtcagct	gcgttgactg	actgcagcag	cttgccctcat	ggttttctct	420
ttttctttag	aatcttatct	ttcagaggta	acatgcagtt	gggtctcaag	accttctctc	480
caatcagccc	aaacccagccc	agactgggct	tttctgggga	gctgaggagt	ttatcagtat	540
tcattctcca	tcctttcata	gtcacaagtt	ttgttatctt	gttttttttt	gggggtgatg	600

gtgtaattgt	taacctcatt	tcgctttcct	acctgttttc	ttcccccccc	agtctctcgc	660
atgagctgtt	gcctccagg	ggcctggcac	agctggcctt	ggggacgagg	gagaggactg	720
attcagggcc	ccctcagctg	tctctccctt	ccctctggaa	aggagggtgg	ggctcagggg	780
cctcaagctg	ggctctgtgt	gaggcctggc	ccccactccc	aaccttggct	ctagactgtt	840
actcttaagc	tttgagaaat	tttcacattg	atgactattt	taaaatcaaa	taaaactatt	900
ttacttgtaa	aaaaaaaaaa	aaaaaactcg	agggggggcc	gtaccaatc	gcct	954

<210> 37
 <211> 793
 <212> DNA
 <213> Homo sapiens

<400> 37	
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aataaccctc	aattatgagg
tggctaacaa	ttctttccctg
gttgagctca	cattctccca
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ggggctctta	agagattaca
tagttcccaa	aattaaagtt
ttttatttat	ttttcttttt
cttttgcata	tatctaattt
ttatatgatt	ttccagattt
attggagact	cactgggtacg
ttggaaatga	gggttagggg
atgccaaa	ccactaagaa
aaaaaaaaaa	aaa
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	780
	793

<210> 38
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (9)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (42)
 <223> n equals a,t,g, or c

<400> 38	
ccntgattnc	gccaaagctcg
gcgggtggcg	ccgctctaga
	actagttgat
	ccccggggct
	gcaggaattc
	ggcaggasca
	60
	120

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cacttgtagc ctgtaacctc atctacttct gatgttttta aaaaatgact tttacaagg 180
agaggggaaa gaaaccacct aaattttgct ttgttttcct gaagaatgtg gcaacactgt 240
tttgtgattt tatttgtgca ggtcatgcac acagttttga taaagggcag taacaagtat 300
tggggcctat tttttttttt tccacaaggc attctctaaa gctatgtgaa attttctctg 360
cacctctgta cagagaatac acctgccccct gtatatcctt ttttccccct ccttccccct 420
cagtggtact tctactaaat tgttgtcttg ttttttattt tttaaataaa ctgacaaatg 480
acaaaaaaa aaaaaaaa aactcgaggg gggggccggg acccaattcg ccttatagtg 540
agtcgtatta caattcact

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<210> 39
<211> 1263
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (1091)
<223> n equals a,t,g, or c

```

```

<400> 39
ggcgccctt tttttttttt ttttttttaa aaacaaaaca ggttttaatg gttaaaacag 60
atgaattaat aggtttataa taaccattaa ctaaggggag ccctagaaca agaaaaagg 120
attttttaatt gcatgcacaa cctagtattacc ataaaaacca atgcaatacc aaaatatctc 180
agcttctctag catagactcc aggtcttttc atttccaata ctgggcagtc ataatagtta 240
cactttcata tgcacctggt tgtggaggga taagctcatt cacataggac tacaaaatcc 300
tctcacaggt agggaggcac aaaagaacaa tatcttcctc cacttttttg ggtccatctt 360
gaaaaacaaa aaaggcactc ccaaagggttc ctgtgtaaca cttttgttag gtttcttaat 420
tactaacata atctttacat gtaagggttaa tgggtccact atttcataga ctgggaacc 480
atcaggcatt ggaactgcct ttaactcaca tgccaaaaca ctggctttct taacaatgta 540
caaaaaactgt atacttggtt taaaaacatt tgggctttgt tccykgaca acttatatat 600
gtttaatcac tggacttttg catgcagagc caaacatatt atggaactga aagaaccaca 660
atatgacatg gtgacagaag actctttgaa tcattattct gttttccact atcagctgct 720
ccagctccct tataactaat caactttgtc cctcagagca cccatgctct gaacctagggt 780
ttaatctctc tgcgaaaga tttattaaag atacttagat aaattaccaa gtctttctct 840
acgatcatca aagagtaagg gaagtcaaat gctcatgggc agttgtccac tattcacaga 900
atcttttagaa actatttgcc tgaggccaag gagaatttgc tttatcacta aacttgaccc 960
atgttgagcc atactaaaac tgcactttggg tactagtctc aaatcaaatg gagcttatgt 1020
atgtctctac atttattgca tcccatgctg ttgtgcaatt ctgatgctga ataaagaaaa 1080
tacggcaatt naaaggcttc accacaagcg tcacattcca tgggtttctc tgggttttca 1140
cctctgctg gatctctctga tgggttgaca gatgcgctgt tgactgaaac tttgtcgcga 1200
cttctcacac ttataagggt tctctcctgt gtgtattctc tgatgctgaa taagaccgga 1260
ggt
1263

```

```

<210> 40
<211> 455
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (7)
<223> n equals a,t,g, or c

```

```

<400> 40
ggaattncgg ggggtcgacc acgcgtccgc ccacgcgtcc gccacgcgt ccgcaaatat 60
attggcagga gattatccag aacacttagt tgcaggtaaa cagttctaag tccaagaagt 120

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tatgaggga	ttgatgctac	cacttctaag	tggtatttat	tctgaaggaa	ctgtatggga	180
ggagatcatt	gtttctggaa	gacagctacta	ttagttatat	agatgggtct	ttctgggtct	240
gaatgactaa	tcagtcattc	agtcaataac	actgaccacc	tactatatgg	tagtcattgt	300
tctaggtatt	gagcatgtaa	tggtgggaaga	taaatggcag	atgagaatcc	tgcatttaga	360
accttaagtc	tgattggatg	gcggaagaaa	tatagttgat	aagcataatt	ttaggtagtg	420
attcatttcc	aaaaaaaaa	aaaaaaaaagg	cggcc			455

<210> 41
 <211> 1128
 <212> DNA
 <213> Homo sapiens

<400> 41							
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ttatctagtt	ttttttttt	tcttttttgg	aaggatgggtg	tgaaaaatag	caagatttaga	120	
gaatgagttg	tatagttttt	tctatcacat	ttcatctaaa	atgatttgaa	ggacttttga	180	
agattttttac	caacatcctt	aaatcaactc	caggttggat	gaacaactga	tttaaaacaa	240	
actaagagaa	cattaactag	atgtgggctt	tttaaaatat	ataggtattg	catttctctac	300	
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taatggatag	ttttatactt	gttctcacia	aattgttatg	gtcagtttat	atcattgtctc	420	
catgcattga	ttataaaaa	tcagtattaa	ttttttctga	tcttataagc	tttataggag	480	
ttttcttttt	ttttataaag	tgtttcacct	tatgtaaaac	aaatgcctgc	ttgcatttg	540	
gaagatgttg	aaattagttt	tagacaaaag	tggtccatca	attcagacac	tctgcttggg	600	
tgctttacc	ttttcatag	tgcatctctt	gcttctgaaa	cttggcagaa	actcgttagc	660	
cagtcactgc	cctttctgac	aatgtgtgga	gtcacgtatg	cttgggtatg	gcctttacta	720	
cttttaagt	tctacagttt	attacttgcc	caagtgttac	ttaattcctt	tcttatgtgt	780	
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aaatggcact	actaactgaa	ggccacagga	gatgctatca	atgttatttg	taatctgaag	900	
attgaacaa	gctgtgagcg	tcatttcaaa	ctattttgag	gtgttaaaat	atatatatgc	960	
gttttctcag	ctgttccact	caaacctgtg	taggactctc	aaaggtataa	tgccacaggg	1020	
tcttttcagt	tgttcacagag	ctccagcagc	gtgggtgccc	ctgttctaca	ccaatttcag	1080	
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<210> 42
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 42							
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ttctagaact	tttttagttt	taggttttat	atttaggtct	gtgatccatt	ttgaatcaat	120	
attgacatat	gaggcaaaag	ggagatcgaa	gttttttatt	ttccttatga	ataccaggt	180	
gttccaacac	cacttatcaa	aaacactata	ctttatccac	tgagttttgt	ttgtaccttc	240	
atcaaaaacc	agttttcaat	atatctgtgg	attaaaattt	ttattttttt	gtttattttt	300	
agagacggtc	tcactatggt	ttccaggctg	gtctcaactc	cttgctctca	agtgatccct	360	
ccatctctggc	ctcctgagtc	gctgggagga	tcaggcagga	ggattttctg	agcctgggag	420	
gttgaggctg	cagtgagccg	agatgtctcc	actgcacttc	agccggggca	atagagtgag	480	
atcctatctc	aaagaaaaaa	agagttattg	tgttatatct	tttttaactc	attttttttt	540	
aaacctttat	atctttatat	ttaaactaga	gtttctgtca	agtgcaactc	agcctgggtga	600	
caaagcaaga	ctccgctcca	aacacaaaaa	aaaaaaaaaa	aaactcga		648	

<210> 43
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 43
 tcgaggttttt tttttttttt tttttgagac tgaattttcac tcttgttgcc caggctggag 60
 tgtaattggt caatctcggc ctgggcgaca gagcgagact ccgtctcaaa aaaaaataaa 120
 taataaaaaa aaaattaaat taataaaaaa aaaaaaaagt ctgctttgaa aaccagtatc 180
 catagacttc tggcagtcac ttctgggggtt taatttttga tgtgacaaaag gtttgtttcc 240
 actggactta attttttcac atcgctctaa cttttgaaaa cacagatata gtccttttgc 300
 tgaataaaaat gaaaactcga gcttaaatatt aaaggcatag atatttcccg gacttccagg 360
 acagtaatat catgtactac ttgttcaaaa aaattttctg gaggtttttc tagagggaaga 420
 aactaagata acaacaacaa aaaagacaaa tccaaatgca ttacttgaag agcgactact 480
 catgttttcta gagaattttt tgggtcatact atgtcatggg gttatttctt gggggcttca 540
 gttctgtctc agaattttct tagtagttat ctactgacct catctggtaa aattatagag 600
 gaagttacag tcgttaaaag ttctgtcaac tctgttcta aaaattttat ttaaaagagat 660
 attttaagag aaataagaaa ataggagatc agggcaaatg aatctaaaga tctttagctt 720
 tactctgtcc gaattc 736

<210> 44
 <211> 600
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (549)
 <223> n equals a,t,g, or c

<400> 44
 ggggtcgacc acgcgtccgc caaatcccag tttttaccat ttcatatcag gatcgttgtg 60
 tgagggaata acttggtttt ctgtctccag tttttctcaa ttccaatcca tcttataaat 120
 ccagcaaaa ttaattttcc taagacact tttagaattt ctgcaatag tctttgagat 180
 caggatgcca gggatatcca ttctgttcat gacactagct agcacatttg atcagcgctt 240
 gttaaacgat tctcaaccca aagatcactc ctagggaaaa aagtctccaa tggcttcccg 300
 ttgccttcat ggtatttaaac ctgcaattcc agagctcgat atttaaat tttagggggc 360
 tggaaatttct cataatactc ctggctatc tactaaacac taagtactag gcatacagaa 420
 ataacagata cacttgggtc aggcacgggt gctcacgcct gtaatcccaa cacttggga 480
 ggccaagggt ggtggatcgc atgagctcaa gagttcaaga ctagcccagg caacaaagga 540
 tctgtntnt acaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagggcgggc 600

<210> 45
 <211> 687
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (57)
 <223> n equals a,t,g, or c

<400> 45
 aattcggcac gagaaaaaat aaaaaaata agccagggtg ggtgggtggc acctgtatc 60
 tcagctacgt gggaggctga ggcaggagaa tctyttgaac ctaggaggca gaggttgagc 120

<400> 47

ntnctagcac	tcaggagtcc	aaaccattgc	ttttgggtta	gaatgcatga	agaacatgca	60
cgtctatctg	aactacaata	actttctgct	tartctactt	aggctaatgt	tgaacatttg	120
ttcattcaca	caaccactgg	tggcagaaga	agagagacct	cttacaccac	ttatgcatag	180
gagctgcaat	gtcacatgag	ttttaaaaga	tgcttvttaa	agaaaaaaa	aaacamgrag	240
sargaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaggg		286

<210> 48
 <211> 858
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (843)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (847)
 <223> n equals a,t,g, or c

<400> 48	
ggccgccttt	tttttttttt
gattttaaaa	acaggctacc
aaacctttcg	tttccatatt
gaaaggaaag	aaggaaacag
atgaagaaag	agagatcatc
gggttaggaag	acaggcttca
cattgactag	ggctgtgagt
tggcaagtga	tttaaccatt
tacatcacct	taaacagcac
agctgataaa	aatgtcaatt
taatgaggtc	atggttattt
acactaattt	tctgtcaaa
cgaaccggga	atccgggacc
agncgcnaat	gtaacctt

<210> 49
 <211> 1307
 <212> DNA
 <213> Homo sapiens

<400> 49	
ggctgaccca	cgcgtccgga
gccaccggcc	ggcattcaga
agcaggctgg	tctcggaaac
cggctccctca	gcgcgcgcgc
ctgggagact	gaggcccgcc
gccgctggcg	tggactgcgc
gaatattttaa	aagatgcttc
aaacccctgtt	caggagaagg
gaagtaaaag	ttttcaagga
ggaggctcttc	ttcattttgc
ataaaggctgc	ataaggaggg
tttccaaatt	gcactctgtt

acagaggaaa	aaggtaatcc	agaaatagac	aacaagaaat	attacaagta	cagcaaagag	780
aagacattaa	agtggtctga	aaaaaaggtt	aatcaaaactg	tgggcagcatt	aaaaaccaat	840
aatgtgaatg	tcagttcccg	ggtacagtca	actgcatttt	tctctgggtga	caaagcttcc	900
actgacaagg	aagaggatta	tattcgttat	gccccaggtc	tgatatctga	ctacatccct	960
aaagaattaa	gtgatgactt	atctaaatc	ttaaagcttc	cagaaccttc	agcctcattg	1020
ccaaatcttc	catcaaagaa	aataaagtta	tcagatgagc	ctgtagaagc	aaaagaagat	1080
tacactaagt	ttaatactaa	agatttgaag	actgaaaaga	aaaatagcaa	aatgactgca	1140
gctcagaagg	ctttggctaa	agttgacaag	agtggaatga	aaagtattga	tacctttttt	1200
ggggtaaaaa	ataaaaaaaa	aattggaaag	gtttgaaact	tgaaaaataa	aatctagcaa	1260
aaataaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaag	ggcgggcc		1307

<210> 50
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (606)
 <223> n equals a,t,g, or c

<400> 50		
aaaaatgga	gacactgttt aacttctgtg catggactcc atcagcaxct acaaaagccay 60	
tgaggagctg	aggatcactt gagcccagaa gtttgaggct gtagtgaagct tcaaaggcca 120	
ctgcactcta	gcttgggtga ggcaagacc tttcaagcag taagctgcatt gcttgcctgt 180	
tggtggtcatt	aaaaacccta gtttaggata acaggtctgc ctgcatttct tcaatcatga 240	
attctgagtc	ctttgtcttc ttaaaacttg ctccacacag tgtagtcaa cgcactctcc 300	
atacctttaa	aaggtatgac aggaactgtc ttcatgtctc tacccaagca agtcatccat 360	
ggataaaaac	gttaccagga gcagaaacct taagctgggtc caggcaagtt ggaactccac 420	
atttcaactt	ccagctttct gtctaatgcc tgtgtgccaa tggcttgagt taggcttgct 480	
cttttagagc	tcagtagcta ttctcatcct tccttgggga cacaactgtc cataaggtgc 540	
tatccagagc	cacactgcatt ctgcaccagc caccatacct cacaggagtc gactctact 600	
cttagn		606

<210> 51
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<400> 51	
gggcncccca	aaaattcccc cnrggttttt tttttttttt tttgttttca agaagaaga 60
agcaatgcag	caaagtgttg cagaacacag gagctggagc cattcagacc caagtccaac 120
tcttgacctc	gcccactttc tctacagtc tgagcaatta cacctgccaa gcaccttccc 180
aatggacaga	ctggcagctc ctactcccaa caggcatcca gactgagcat caccaggat 240
gggacaaaca	gaagcaatgc aagaggaaat gcgaacacga acatgcacca ctacaccaca 300
acctatggaa	acaatcaggc aaacaacag taggagacat atgacaagaa aacaggcctg 360

gacgcttcaa	aaatgccaat	gtcacgaaag	acaaaaactg	ggcagctct	tctggatcaa	420
aggagactaa	agagatatata	caaccaaaca	caataaaact	atcctagatt	acatcctgga	480
tttttttaaa	gcaaaaaaga	acaatttggt	aacaactggg	gaaagtgtta	atgtggctac	540
atttttaa						547

<210> 52
 <211> 865
 <212> DNA
 <213> Homo sapiens

<400> 52						
gctgaatata	agggaaatag	tctaattggac	accagttaat	acttttttaa	actactcttt	60
aaaaaaaaaa	tacgttcccc	ttggtttaact	gatttttttaa	tccaggggtgg	acatttttttc	120
aacctttatt	aaaaagacaa	ataaactatt	ttgtagaaga	tcagactcct	acttaactgg	180
aagagaaatg	tctattaaat	gtctctctct	tttctctggg	tcaagaccat	gtaattttat	240
gcttcagaga	tgaagatact	gtttgtttac	aaagagttaa	gttttttaaga	catccaaaaac	300
tctatgctag	agcaaaaaatc	aaatagcaaa	ggacactagc	cagaaaaatac	atgtgtgtgtg	360
tgtgcacctg	tgtgcctgct	gaacaaactg	acagtgtaac	agataaggta	actgaagatg	420
gtggatattt	gaattgtatt	agcttaaatgt	ctacatatct	ttggccaaaa	ctctattgttc	480
atatttagaaa	catgtttatct	ttttcatggt	tattagtaat	ttatttttga	ttcttttgttt	540
ttcttttcgt	ccaactaaaa	caactgtaat	gtacttgata	catttatatc	aagttctaaa	600
gtattttagac	aaatccaaat	actttgtttt	tagttttttc	ctcctttcca	tcctgttaac	660
cacagtgaaa	cgctgcagta	ttttgatttg	gtcagtgcta	cggaggaaga	ccatgaaagc	720
tgaattgttc	tgtgccacc	agagtaaac	ttctctcttc	ttctggaaag	atggcggtgat	780
gtttttcaag	gatttctaata	aatatccccg	agtcactctc	tgaaaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaaaaaaag	cgggc				865

<210> 53
 <211> 689
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (309)
 <223> n equals a,t,g, or c

<400> 53						
tcgaccacag	cgctccgattt	tctgataaga	cgattactaa	gacaaacttc	tatccttttca	60
cttagtaagc	atcatgacat	catatataat	caacctatct	ttcttcttac	ctttggcaac	120
tcgggaaggtc	agtgctaaagc	cttgtgggtta	accctagtag	tgcacatcct	tctttatgtct	180
tagtaatcgt	cttatcagaa	aatatcatat	aaaataaaca	caaaagtaaac	tttttactta	240
aaaagatctg	tagatatctc	actaaactcta	ttaatgcctt	ggtaaatagct	atttaactcta	300
taatcctgnc	ctagatcaag	ttttgaggcc	tcagtggttat	tcattccttg	ggctaagagc	360
cactgaaatg	ggataattat	tggtagacgtt	acttccctct	tttaaatggg	ttctgtttctg	420
ccattttactc	tttatttgaa	attgccttct	tttaaaagtt	attctttaata	ttgtaagcta	480
tttgaaaaata	ggtagcccat	aaaaataaat	attaataatg	tattttctaat	tatcttatct	540
aacaaaaata	ataataaata	tccacttttag	aaaattttgga	aaatcatgaa	ggatataaata	600
ctaaaatcga	aattctctat	aagatcaata	ttcagatttg	acctcaggga	aacacagaaa	660
ttaaggttaa	aaaaaaaaaa	agggcgggc				689

<210> 54
 <211> 515
 <212> DNA
 <213> Homo sapiens

00774639.DAT

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<400> 54
 tanntgnatc cccccgggcn tgccaggaat tgggcacgag ttacaaactgg tggaccacac 60
 accaggcact aatccactgg tgaggatttg gcataatccac caaaaaatgc atccgattta 120
 accaaccatct ccaccagcgc tacggactcc tcccaattct gacatctctt gcagacaata 180
 ctatgctctc tacacactgt ttagaaatgg aaaggtgacg tgcactgtat ctggggtttg 240
 ttggctatgc ttcttttgat gacatatatt atacagtata tatatacata tatttwwwwww 300
 gttagagttc tagccatttt atttctccgc agggctcttt ctgacacatt actgcatgct 360
 gtaatatggg ttagctgtgt gttgatcttc taaaagatga tagagtttac tggtaattgt 420
 gtaatcagct cctgcctttt tattttcttg ggttatttac atgtcagaga catttataaa 480
 aagtgaagg ataaaaaaaa aaaaaaaaaa ctgca 515

<210> 55
 <211> 747
 <212> DNA
 <213> Homo sapiens

<400> 55
 aaaaagggaag aaaagaaaaa aaggaaacca gccctgtcat ggaattttct tccttccctg 60
 cacagtaaaag acttttgggt ttctatggat aaaatcaatg tcagtactga aactcctadt 120
 ctccccctccc gccccactct cccccgttgc ccgagatggc caagttcagg cctgtgcaat 180
 gccgctctccc ctgagcctcc cctctcaagg gccacgcagg cagctgcagc agggccagct 240
 gcaggatggg gctgccggtc actgaattgt cgttcaaatg catcatcttt gtggcgctct 300
 tctcatgcca gcaaaagccac gtgctcttct gtctgctgtc acatctgtgc ctggattgtc 360
 taaatatattg ttgtgatggg gaggttttaa tctgggtgat cagagggaag cagggctgtg 420
 ggggcacgct taattggctc ccagcagcgt ggggagtgct tctatgggtg gtgggggttt 480
 ttgttgcttc cctctagaag tgttaccggt ttacagctct attaatgtcc tctggttggt 540
 aaattacagc agcacattac agtgcaactg gttccctcct ggagtggaata caaacggagg 600
 catctactct gtatttttag aagttttggg agaatttagt gatttgtggc twtgatcaat 660
 cctgttgact ggtgtatgtc tgcgcacaac tgtttcaaat aaatcttttg ttaaagataa 720
 aaaaaaaaaa aaaaaaaaaa aactcga 747

<210> 56
 <211> 676
 <212> DNA
 <213> Homo sapiens

0977639.020001

<400> 56
 gaattcggca cgaggacgag gtaaaattat tagaatggag tatgtcatca ggtcttttcc 60
 tagtctcttt ctgcttctctg tgtgtctcttg taggtttctt tgatttccat tgtttggtgtg 120
 atatttttgg taaaagcagc tgactcacat cccatccaaa tccccagtgc ccttcagatc 180
 cttcacaaat ttggcattca gccactctct tgccaaattgc ttctcttctc cccaattccc 240
 acatgtctcc ttctctacgc atctgtctct cctcccttcc ttccgattagt gctttctgtct 300
 gctcttccaa tttcttctat tgttcaatgt cttttgcttc ctcttccccc tctctctccc 360
 tagaggaat taacatactt aatacagctg atgtcataaa gcccttttcc cctaagaagt 420
 taaatttctg tttctgcaaa ataaatacat agctctgttg tgtgaaggtc aaaggaaacc 480
 tgagtagtaa acctgaaata gatttttttg gggttcatct tacataaagt gtcaatgcat 540
 attatgtatt ctatttattt tccaaaataa attttctatt tgggatttaa atatggtaag 600
 tcaacacaac tttattgtac cagtcatagg attgaataaa tgacttaaaa ataaaaaaaa 660
 aaaaaaaaaa actga 676

<210> 57
 <211> 832
 <212> DNA
 <213> Homo sapiens

<400> 57
 aaccgcgtgg cccaatggca ggcctctaca gtgtagcttc cgccctccga ttgactggcc 60
 tgcttgccaa ggcaagtgc ggcggcgctt caagatgcgc tgcctgacca gccttatgct 120
 ctgctggggc ctggcccagg ctgcacgtgc aggacctctt ggtggccgga gcctccacag 180
 cagtgcagtg gacgccacct acaagtatgt gaacatgcag gatcccgaga tggacatgaa 240
 gtcaagtact gacggggcag ccgcaccctt gctgtggact gagctcttcc gaggcctggg 300
 catgacctgt agctacctgt tccgggaacc ggccaccatc aactaccctg tcgagaaggg 360
 cccgctgagc cctcgcttcc gtggggagca tgcgtgcgc cggtaccatc cgggggagga 420
 gcgttgcatc gctgcgaagc tctgcgaggg catctgcccc gccccaggcca tcamcatcga 480
 ggcgtgacca agagctgatg gcagccgccc gaccaccctc tatgacatcg acatgaccaa 540
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 caactttgag ttctccacgg agaccatga ggagctgctg tacaacaagg agaagtgtgt 660
 caacaacggg gacaagtggg aggccgagat gcgcccaac atccaggctg actacttgta 720
 tcggtgagc cccaccggcc tgcagccctt gctgcccaat aaaaccactc cgaccccaaa 780
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggcgg cc 832

<210> 58
 <211> 1003
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (700)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (758)
 <223> n equals a,t,g, or c

5774639.060701

<400> 58
 ggctcgaccca cgcgtccgga ggcccgcagc cgggcgccg cagggttagag cgcgcgggac 60
 ccggccacgc agcccgggga ctcccgggcc ctcccgggag cccgcggggg ccccgccgtg 120
 catccggcgg gctcaggagg cagatggggag cgcctctccc ccgctgcccc ctcccccgag 180
 catcgagaca agatgctgcc cgggctcagg cgcctgctgc aagctccccg ctccgctcgtc 240
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 gncaggcaacc tttgggtcca acctgctcac cctgtggctc ttctccaaca acctctccac 480
 catctaccgc ggcactttcc gccacttgca agccctggag gatctggacc tcggtgacaa 540
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 acagcctggc ctctgtgccc ggccgaggcg tcgccgacct gccctcgctc gagttrctgc 960
 ggctcaacgc taacccctgg gcgtgcgact gccgcggcgg gcc 1003

<210> 59
 <211> 702
 <212> DNA
 <213> Homo sapiens

<400> 59
 gaattcgcca cgaagctgggt catggatttt gagaatcttt tctcaaaacc ccccaaccgg 60
 gccctcgcca aaacggccac ggactctgac gaaagaatcg atgatgaaat agatacagaa 120
 gttgaagaaa cacaagaaga gaaaattaaa ctggagtgcg agcaaatcc caaaaaattt 180
 agacactctg caatatcacc aaaaagtctg ctgcatagaa aatcaagaag taaggactat 240
 gatgtatata gtgataatga tatctgcagt caggaaatcag aagataaatt tgcacaagag 300
 ctcaacagt acatacaagc cagagaaatg gcaaatgctg ctcaacctga agaattctaca 360
 aagaaagaag gagtaaaaga taccocacag gctgctaaac aaaaaataa aatctttaa 420
 gctggtcaca agaattggca acagaagaaa atgaagcgaa aatggcctgg cctggaaac 480
 aaaggatcaa atgctttgct gaggaaacagc ggctcacagg aagaggatgg taacctaaa 540
 gagaagcagc agcatttgag tcaggcattc atcaaccaac atacagtga acgcaaggga 600
 aaacaaattt gtaaatattt tcttgaaagg aaatgtatta agggagacca gtgtaaat 660
 gatcatgatg cagagataga aaaaaaaaa aaaaaaactc ga 702

<210> 60
 <211> 1095
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (107)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (202)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (556)

<223> n equals a,t,g, or c

<400> 60

cccgggcagg	agggtcagg	ccagatggag	gggcccacaa	ggacatgggg	aagatgctgg	60
gggggtgacga	ggagaaggtt	ttgcttctta	cgaacgccac	ggcctgtntc	acttctaaac	120
taaaggaaac	aaagcaatag	gtttggggga	gcgccagccc	ccaccocgtc	caccocgtc	180
ttcccagtc	ctcgccccc	gncggcgctc	ctagcctctc	cgcccacgcg	gtgctgtctt	240
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gaggcccgag	gcaccggagc	ctggagagcc	tgcccccctg	cccagcacct	cctcgtgggg	360
cagctcctcg	ggtggggcct	gcgggggtcc	ctgcgcgcac	tgccgcgtgt	gtggcctaat	420
ccacctgggt	gcctcgccgg	gcggcatccg	agccctgtgt	tctctccat	tcagtgttaa	480
tttgcatcac	aatttgttga	atctcaggtg	aatgaggtct	ttgcatttaa	tgagttttat	540
cttgacaggg	gcgcgttcgc	ccccggggcc	tttcgtccac	akcaaaaatg	catcaagtct	600
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gagaagccat	aacgttagac	tgcaatacta	acgaccgacg	cccctcgggg	cagagaccac	720
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ccagcgatg	gcgccccggg	ccgcgagctt	agcttagacc	gtgggtgtct	ctgtccgctc	960
gtcctgcgcc	tgccctcctc	cctgcatgtc	ggggcccctg	cgtgtgttct	ctcgggattg	1020
aatcacagcc	aataaacacc	agtgatttca	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1080
aaaaaaaaaa	aaaaa					1095

<210> 61

<211> 867

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (831)

<223> n equals a,t,g, or c

<400> 61

tcgagttttt	tttttttttt	tttttaagta	gagatggggg	ttcacctgtg	tagccaggat	60
ggtctcgaac	tcctgacctc	gtgatccgcc	cgctctgggc	tcccaaaagt	ctgggattac	120
aggcatgagc	cactgcgccc	agccggtctt	tttaaacatt	ccccaggact	gtacagccaa	180
cccatactca	cttgacattt	gggaactccc	ccccagggcc	ataactgact	tgacagagta	240
agaccaaagc	caagaatggg	ggattccacat	ctaagggtct	gtgatggctg	atgaaggaaag	300
aagaatcagc	gaacaaaagc	ctctaggtct	ttcttaccac	aaacacctct	ctgcccactc	360
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ggagaataac	tcacactttg	aggtgctcgc	cctcttccat	agccagctct	aacttaagcc	480
aatgacccca	cgggagctta	cacaagtyca	aacaggccca	aatgcattca	tgagcagggg	540
gaggccaaag	gactccggag	gagagaggcc	caataaggct	ggtgctattt	ccgatccata	600
gagagagcag	agggtggcag	gcccttttga	ttaatgtatc	attcttgaat	gcaagcttca	660
aaatccgggt	atgccgggtg	agaatgagca	ggactaacac	ctgggtgtca	tggaagcctc	720
ccagggccga	ctggccagag	acagatccgc	aagaggctct	gcagccagct	ctgggtgccaa	780
gccactcgga	tttgaacccc	ggctcctcaa	ggtcagctgt	gtagccttga	ntgaaycacc	840
tgctatgacc	aatctcgtgc	cgaatttc				867

<210> 62

<211> 1134

<212> DNA

<213> Homo sapiens

<400> 62

05774339.DAT

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atttgattta	ctgaagaacat	abttactaat	tggttgcact	taaagggtgct	tttatccctag	120
aataaacaat	gcttttataaa	caattcacta	ttctaaattg	atactgggctt	aagatgttgt	180
tcagtggtca	ggatattgcta	tcgatttttt	ctttccctaga	acctgtccctt	tcagtgggct	240
ccagtagact	tgatttttat	aatctttcaa	atatattgta	gcttggtataa	cttcccatca	300
tgactcttgt	cagtttctca	actcatttgc	aaaagagatg	actagcattgg	gagcttggtat	360
tcagatattc	gttttagtgc	cttatttagt	cctcttagct	taggtttcttt	tgatgattca	420
gcgtccagat	aatccaaggg	agtgactgta	atcatagggg	ttctagtag	aatgcaatca	480
tgagccctct	aggaagtttt	ggtaataaat	aaaccacaca	taggggtgggt	gtccctcaag	540
attataatga	agctagaaaa	ttccctctcc	ctagttagtt	gtagccatcc	cacactatag	600
tagtgcaacg	cgttactcac	tggttttgtg	atgatgctgg	gtcaacacaa	ccgcactac	660
cagttgtata	aaagtatagc	atgtacatag	atttatattg	agtacatata	ttgataataa	720
atggctgtgt	tactggctta	tgattttact	atgtttttta	attgtttatt	tacagagtag	780
atcttctact	tattaaaaga	agtttaactgt	aaaacatcct	caggcagggtc	cttcaggggg	840
tattccagaa	aaaggcattg	ttatcgtagg	tgatgacagc	cctatgcacg	tttttccaca	900
gtgggatgaa	atatggagat	ggaagacagt	gatattgatg	atctctgatt	ttgcaggcct	960
agggctaattg	gtgtttgtgt	cttataagaa	aaaggattaa	aaaagaaaaa	attttttaaat	1020
ggtaaaaagc	ttatagaata	tgaataaag	gaaagaaaaa	atttttgtac	actatatacaa	1080
tggtgttggtg	ttgtaaaacta	aatgttatta	caaaaaaaa	aaaaaaaac	tcga	1134

<210> 63
 <211> 1448
 <212> DNA
 <213> Homo sapiens

<400> 63						
ctcaggggga	cagtagccaaa	ccaagggtga	tggtaccact	taaaatggac	tctatcacag	60
tgacacataag	gagcaccacac	ggacctatcg	atgtctattt	gtgtgaagtg	gagcaggggtc	120
agaccagtaa	caaaagggtct	gaagggtgtg	ggacctcttc	atctgagagc	actcatccag	180
aaggccctga	ggaagaagaa	aatcctcagc	aaagtgaaga	attgcttgaa	gtaagcaact	240
gatggcatct	gagaatttat	gtatcactga	gttttttggg	aatatctctg	tgagagaatta	300
cgcatacaat	ttgatcttca	gagcaataaa	ttatccatga	agtgcctctg	ttctcagtag	360
cggtatcatg	gccagtagtg	tctttgagga	gttccaccat	tagattactg	agtaatttgg	420
gtttccacat	ttgaaaacaa	ctccttttat	aattattcac	tgctttttgt	cagtgaaata	480
gacattctgc	ctcctgaagt	agcttcatca	cagagtgtca	tgaagacaga	gactcaggct	540
gaaatggaca	gttcttttgt	gactctaccc	ttcccttcaa	ggagtatgtc	atatatcaga	600
aaagaataatg	ctctacactg	gttcatgttt	gcagttactg	ttgtacattg	catagatgta	660
cacacgaatt	taaatgtgat	gtctttgtat	atatctgtat	aatgttgaga	ttacttacga	720
aataatgtct	agtgacactt	ttcacccttg	tacagccaaa	ataatgtata	tatggaaagt	780
gacagacaaa	ttctctaatac	tctttgtgtg	ctataactta	ttagaatcct	ctggatgagg	840
gttagaagag	actttttcca	aacttctaca	tgtagaagta	tcataaaatg	gtctacacat	900
tattgtttgtg	gatttaatta	aagtatttta	atatggtttt	cagtgctaaa	attggagctc	960
gataactctt	ggttttaagc	tgctacacta	attgctgtct	cccagcagac	tggtggcatg	1020
cccagtggtc	ttggggggcaa	ggatagaata	gccatcagga	aatagctgaa	ttcattgtga	1080
aacatgaatt	cagtcattgtg	gataattgga	aactcctttc	aggttttttg	aagttagattt	1140
tgtaagtgtt	gtgtatgcag	ccttgctgtt	gagtcagctc	aaggggtttt	acttaggaca	1200
agttgttact	tgccctctct	ccagctctgc	tcccacattt	tcacatacct	agctgtttct	1260
acotcattgg	gtaagtcatt	taccactctg	tgctctagtt	tactctgtag	tttaccatta	1320
gactgtgagc	tccttgaggg	actttgtcat	aatcactgtt	acatcccagt	gcctcacacc	1380
atgcctggcc	cttaagaagc	gtccaataaa	tgctgaanca	aataaaaaaa	aaaaaaaaaa	1440
ggcgggcc						1448

<210> 64
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (354)
 <223> n equals a,t,g, or c

<400> 64
 tcgaccacag cgctcogagca tattaggatt atattgtagat ttgtatgtat ttgtcattat 60
 gtacttcagtt ctccctagttt tattattcttc accttcogtt ttattctctgg cgaggaaaaa 120
 atgcactaga aataatacat taaactgact cttagtctta atgtacgctt gctgtctttaa 180
 atagggtgat tgagtccaac agactcaatc atacatgtca tacatgttta tgattaagag 240
 atattctttt tgtgtgctag ttgattttgc cgagaaaaaa tgaagaagaa ttcaagaaga 300
 gatgagggta ggtaagctct cagagcattt ctgtctgccc atttgggtct atgncctatg 360
 tgggctgcta atgtgactaa ttccagagtgt tgtatttcca catctgtgga ttccaccatg 420
 gaaaaggtgg gctaccattg gtcccttatg gcctttatta gaaaaataga cattctatcg 480
 tttgtctgcc cagtgccag agtcctgggtg aacaacagag ctcatgggaa aycagcctct 540
 ctccagggcac cccgctatga ggatattgaa atattgtcaa tcattttcca tctcccttgg 600
 aatgtaattc cctgcccctat acaaaaatagg atattccaat gcgctatttg aatctaggga 660
 ttgaggaattt gtatttgagt tttggggtaa aggcctgggt cattgccatg gaagaataaa 720
 agttatttat taaaaaaa aaaaaaaagg gcggcc 756

<210> 65
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (472)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (479)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (493)
 <223> n equals a,t,g, or c

<400> 65
 ccgtgatgtg ggcgctgcac antcctttcc ctttcggatt cccgacgtg tgggttctgt 60
 aagggttctt cctcgcgcca cagggccgtc gccatgggtga agctgagcaa agaggccaag 120
 cagagactac agcagctctt caaggggagc cagtttgcca ttcgctgggg ctttatccct 180
 cttgtgattt acctgggatt taaggagggg gcagatcccg gaatgcctga accaactgtt 240
 ttgagctcac tttgggggata aaggattatt tggctctctg gatttggagg caatcagcgg 300
 acagactgga agatgtgtgc tctggctcgg ataagagatg ggacatcatt cagtcactag 360
 ttggatggca caaggctctt cacagacgca tctgtagcag agtggawctt gtactaaact 420
 atgatagaat gtatcagaat aaatgttttt aacagtgtwa aaaaaaaaaa rnaggrggng 480
 agtgggtggg gtnagag 496

67464-67464

<210> 66
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> n equals a,t,g, or c

<400> 66
 gcaggtaccc ggtccnggaa tccccgggtc gacccacgcy tccggtatatt ttttattggg 60
 gtggggaaag gggcaaaaag aatgatctta gtgtctttac ctttctcata ttaactcacc 120
 tctttattct gtggtctttt ctgaatagaa atgtatgcc taggaagaaa tcatgctggg 180
 ttttgctttt agagataaaa ggtggtggat ttattttgcc tgcagtaaaag attctcaggg 240
 tgtcagagca gcattattgtc aaatcctgct tctgttttat gtttcagtgt attcactttc 300
 attttcttac ttactagacc atttctgcag ttgtcccaaa cctctactgt ttgggacagt 360
 aagccaaata cctcattttt aaaaagaagt ttctatggca tcagtgttaa taagttacat 420
 ttttaactga gtcttaattc ctatttgaag aaaaagttag gacaaaagta atgtcaatgt 480
 aatccccagg atcatgaaat gtatacaaa taaataaagt aggagagtta aaaaaaaaaa 540
 aaaaaaaaaa ggcggccc 557

<210> 67
 <211> 674
 <212> DNA
 <213> Homo sapiens

<400> 67
 ggtcgaccca cgcgtccgat aatgtgttagc tactgtatgc cttattttaat tatttttttg 60
 agtgtcattc acaatcacia aacgataccc ttactgaag tgttagtgga taaacttaat 120
 tgcataatta cggacctgtg tatttccaga gatgatgtt tccccactac atgttaagat 180
 gtacgtattt aatgacaatg ctgtttgttg tatgagaact tgagacagaa gatttagtag 240
 gattatccag tgacagtcag tacagggtgc gattaagctg tccttctggc tcttggcctg 300
 gtatatgttt gtctctggcc atgcagttac agaatagggc aggtggcatg tttatatatg 360
 cctttgatatt cacagaagtt ggtgagcttt cctaagtggg gaatttttaga gctagatagg 420
 attgtctgtg gagagggggc agggaaatgga gagttgattc ttcactcttc tgtggtgcag 480
 ttgaattcac atgtagctgg aactgatatt ccaagggatt atgatggcaa tgagcttaga 540
 agattggttg ggttttagca ctccagaatt ggatcccttg ccggaacctt tgctaagagg 600
 gagtggactt gtatttggtg cagagaccaa aaaaaaaaaa aaaaaaaggg sggcccccctc 660
 caaggggggcc ccaa 674

<210> 68
 <211> 794
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (345)
 <223> n equals a,t,g, or c

<400> 68
 tcgacccacg cgtccgagat ctccagcaga aagatattgg tgtgaaacgg gagttcagct 60
 ttaacataacc ctgtgccaaa agagagctgg ctacagctgaa caaatgcacc tccccacagc 120
 agaagcttgt ctgcttgcca aaagtgtgtc agctcattac acagtctcca agccagagag 180

tgaacctgga	gacctatgtg	gctgatgac	tgctatcagt	cctgtttatc	tgtcttgga	240
aaacggagat	ccctaattgg	atggcaaat	tgagttacat	caaaaacttc	agggtttagca	300
gcttgccaaa	ggatgaactg	gggatactgc	ctgacctcat	tcganctgat	ccattgaata	360
ttcggcaagg	aagcctctct	gctaaacccc	ctgagctctga	gggatttggga	gacaggctgt	420
tccttaagca	gagaatgagc	ttactctctc	agatgacttc	gtctcccacc	gactgcctgt	480
taaggctgta	tgctctatta	gaataaaaaga	ggatcccccta	gtccatagca	agctataaaaa	540
taataacaaa	taaaaaaata	acaagatgaa	gctgggcatg	gtgggttgca	ctgttagtcc	600
cagcttatcg	ggaggctgag	gtggaggat	cacttgagcc	cgagggttga	aggctgcagt	660
gagctctgat	tgtgccactc	tactccagcc	tgggcaacat	agcaagacct	tgtttctaaa	720
aaaaataata	ataaatctct	gttattttgc	accctgtagg	gattcactga	aaaaaaaaaa	780
aaaaaagggc	ggcc					794

<210> 69

<211> 1915

<212> DNA

<213> Homo sapiens

<400> 69

gaattcggca	cgagcttaaa	tgttcgacag	ctcaaagctg	ggaccaaatt	agtgtcctca	60
ctagcagaat	gtggggctca	aggagttaca	ggactgtctac	aagcaggagt	gactcagtgga	120
ttatttgaac	ttctgttttc	tgtatcacgta	tcactctctc	tttaagttaaa	tgctttttaa	180
gctttggaca	gtgtcattag	tatgacagaa	ggaatgggaag	cttttttttaa	gaggttaggca	240
gaatgaaaaa	agtgtgttatc	aaaagcttct	ggaactcata	cttttagatc	agactgtgag	300
ggtgtgtact	gctggttcc	ctattctcca	aaaatgccat	ttctatgaag	cttgttcaga	360
gattaaaaaa	cttgggtgacc	atttagcaga	gaagacttca	wctcttctca	accacagtga	420
acctgactac	gacacagatg	ctggacttga	gagaaacaaac	ccagaatatg	aaaatgaggt	480
ggaagcttct	atgagatatgg	atctttttgga	atcctcaaat	ataagtgaag	gggaaataga	540
aagcgttatt	aacctcttag	aagaagtttt	tcattttaatg	gaaactgccc	ctcatcaaat	600
gatccaacaa	cctgttaagt	ctttcccaac	gatggcacga	attactggac	ctccagagag	660
ggatgatcca	taccctgttc	tccttagata	tcttcacagt	catcacttct	tggagtgtgt	720
tacctgtcct	ctgtcaattc	cagtaacaa	gtctcaccct	ggtgtgtctg	aagccacaaa	780
agatgttttg	aagtttcttg	cacagtccaa	gaaggttctt	cttttttttta	tgtcgggaata	840
tgaagcaaca	atttattgat	ccgagctctg	gtctactttt	atgatcaaga	tgaggaggaa	900
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cagacattgc	aatgtattac	agaactgttc	agccatttct	agcgttgtac	agccagtga	1020
gaaacagacc	attcagatct	cttgggaacc	ctgcacaatc	tttatttgat	tacttytaat	1080
ctctgtggaa	gattcagctgt	tggccatgtt	tttagtctg	agaaaaatct	ccaaagtctt	1140
attactctaa	tgtagtacta	ttctcaaga	tggaaacctc	ccaccaaaac	ggccactcaa	1200
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tttccacagt	cagaatcagg	ttttcacacc	acctgcttca	aaaggaactc	acagtcgttg	1320
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aagtcgttga	ggccagagca	attttaacag	agggccctct	ccaccattac	gaccccttag	1440
ttctacaggt	taccgcccaa	gtcctcggga	ccgtgcttct	agaggtctgt	ggggacttgg	1500
accttctctg	gctagtgcac	atagcggcag	tggaggctca	agaggaaagt	tgtttagtgt	1560
agggcagctg	agaggtctgc	atgtacgctc	ctttcacaga	taaaaaatct	tttgggaaca	1620
ttcttaactg	atatgaactt	ttcacagaga	caataaaaaa	aagacattga	aggaccaatt	1680
tagacttagc	agttatctgt	agacatctga	gagaataatt	ttatctgaag	aaagcagaat	1740
tgttttgata	cctaacaaga	tttcaataaa	aatccaaact	tgttatgtac	gtttgtatat	1800
attttccctt	ttttgtatga	ctatttattt	agaaaaatct	taggtgaaaa	actaaattgat	1860
gtttcttatt	ttttctgctc	atagcacaga	tattctcaaa	ctctctcaga	tcattg	1915

<210> 70

<211> 733

<212> DNA

<213> Homo sapiens

00774639.000101

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<400> 70
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 agggcgggagt catcoatgaag caaacgcggc tgaaccccc agtgggtcttc attctctctcc 120
 aacccctttc aagaccacagg gatggggtca gcaattctgt ttttaataatt ttgcattctgt 180
 tcccttaaat cataaagaga gcccccaatc tgtaaagctt ctgatccoc acaacctctc 240
 agggctccag ggctcctgagg aggatggcca ggtcaactgt ggctctgtgt ggagccagcg 300
 ggcaccacagg gcttctctgtt gggccaggtc cctggctata gactgagcca gmmagcattc 360
 agcytccgat ctccaggccc ctgcgggtgag ggccccaatg cccctgataaa ggctctgtctc 420
 ctaaaagggt gttggccttg aacaagctgc tctcctgcct cagtttccam ttccaggtgg 480
 agacatgaat gagagaagtg tccctgaaac tctctgatggc tttccatttc ctgggtttcct 540
 gtctttctgt aggctgaatt ctctgcctgc tttctctgag atccctcact ttctctgcaa 600
 gaaattctct ctcttagctgt ttcagagtga agtgcaaatc aaaaataaaaa agtgCaagtt 660
 caaagtgcaa tcaaaaacaa caaacaacact ttggctaagg caaacacaaa ccaaaaaaaa 720
 aaaaaaaaaa ctc 733

<210> 71
 <211> 1266
 <212> DNA
 <213> Homo sapiens

<400> 71
 cccatgtcgg ccctgaggcg ctccgggctac ggcgccagtg acggtccgtc ctacggccgc 60
 tactacggcg ctgggggtgg agatgtgccg gtacaccac ctccaccctt atatctcttt 120
 cgccctgaac ctccccagcc tccattttcc tggcggtgag cgcgggggcg ccggcgcgag 180
 accacctggc tggggagaagg cggaggaggc gatggctact atccctcggt aggcgccttg 240
 ccagagcctg gtccagccgg aggaagccac cagagtttga attcttatac aaatggagcg 300
 tatggtccaa cataccctcc aggcctctgg gcaaaactgt ccttcatact caggggctta 360
 wtatgcacct ggttatactc agaccagtta ctycacagaa ttccaagatc ttaccgttca 420
 tctggcaaca gcccaactcc agtctctcgt tggatctatc ccagcaggga ctgtcagact 480
 gaagcamccc ctcttagggg caaggttcca ggatatccgc cttcamagaa mcttgggaatg 540
 amcttgcccc attatcttta tggagatggt aatcgtagtg ttccacaactc aggaccgact 600
 gtacgaccac aagaagatgc gttgggcttct cctgggtgct atggaatggg tggccgttat 660
 ccttgccctt catcagcgcc ctccagcacc cccgggcaatc tctacatgac tgaagtactt 720
 caccatggcc tagcagtggt tctccccagt caccctcttc acccccgatc cagcagccca 780
 aggatctctc ataccctat agccaatcag atcaaaagcat gaaccgggac aactttctct 840
 gcagtgctcca tcagtagcaa tctctgggga cagtgaacaa tgatgccacc gatcttttgg 900
 atttccaaat ccagtatagt gctgagcctc agctgtatgg taatgcccac agtgaccatc 960
 ccaacaatca agatcaaatg agcagttctc ctgaagaatg tgtaccttca gatgaagta 1020
 ctctctcgag tattaaaaaa atcatatcatg tctgggagaa ggtccagatc ctggaacaag 1080
 aagtagaaga atttgttaga aaaaagacag acaaaagcata ctgggtctctg gaagaaatgc 1140
 taaccaagga actttttgaa ctggattcag ttgaaactgg gggccaggac tctgtacggc 1200
 aggcagagaa agaggctgtt tgaagaattc aggcacatct ggaaaaaaa aaaaaaaa 1260
 actcga 1266

<210> 72
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 72
 gaattcggca cgagtacctt gttctaatac agttcagtg gtcttataga aaatcattta 60

007463.220101

tcttttgcc	cctgaaatg	attttaactt	tttgtgtttt	tctccttttc	tcatcttcata	120
atgcaattaa	atctacccct	tttctcaaat	tttaaaaaa	catgaataaa	atatctttta	180
cttaaggtca	aacacaaatg	gagtggtgta	ggctggctcat	gggtggctgac	acctataatc	240
ccaaactgt	gggaggccga	ggcaggtgga	tcacttgagc	tcacaagttt	cagagccgcg	300
tgagcaacat	ggcaaaaccc	cgtctctaca	aaagaataaa	aaacttagcc	aggcatggta	360
gctactcagg	gaggatggct	tgagcctggg	aggcagtggt	tgcaatgagc	caagatcgca	420
ccactgcact	ccagcctggg	stataaagcc	agaacttgct	tcaaaaaaaa	aaaaaaaaaa	480
ctcga						485

<210> 73
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 73						
gaattcggca	cgagatttaa	gtcaaatg	tgtattctac	gtgttagagt	gagttcaaaa	60
gatccattgt	attactgaat	aggcaaaagt	tttaatttca	gaggatgaaa	ctgatataatt	120
actgcccact	tgtggatatt	ctgttattac	aggctattat	aaaargcaat	gcgggtatgt	180
aatctgtttc	aacaagaagc	atttcccttt	tttgtcgttt	ttattattgt	tattattaca	240
ttttaagtct	tgagatacat	gtacagaacg	tggagggttt	ttacataggt	atacacatgc	300
catggtgggt	tactgcaccc	atcaacccat	catctacatt	aggattttct	cctaattgcta	360
tcctccccc	agctccccc	cccttgacag	gccccgggat	gtgatgttcc	cctccctgtg	420
tcctatgtgt	ctcattgttc	aactcaaaag	aaaaacagaa	gcattttctg	ctttcccaat	480
ttcttaata	caatgcaact	ttatgtttta	tttaactaac	ttaatttttt	gagacaaggt	540
ctagctctgt	tgcccaggct	ggagtggcgt	ggcgtgaata	tggttcagtg	aaacctccac	600
ctccctggct	caagtgatcc	tccttcccca	gcctctcga			639

<210> 74
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 74						
atggctgctt	tcaaccggaa	cgcgctccatc	cttcaagatc	aagaccatt	ccatagtcca	60
acaagtagtt	ggtgatgata	gagtgccctg	actggggccag	aacagcctct	ttagccaaac	120
agcgcaggaa	agtcctttaa	cagatgtcca	gctcctttct	tcattttcac	tttaattcca	180
tgatgctctc	gtgtccctct	gacgacatct	ctcctgggtg	ctgggactct	gctgggtctc	240
catgcccact	gagaaggctt	cctggccatc	atcaggcagg	aaaacctcaa	agccctccgt	300
cctcaacgtg	ggatccctgg	gccagcagca	tcagccctcac	caggaaacct	gttcttctgc	360
tcattctctg	gccccacccc	aggcctatct	aaagaaagac	tccaggggca	gcgctgggca	420
gcctgtgttt	ccaccagatc	tgtgtgaaaa	ctcaaatgaa	ccagcccagg	tgatgtgacg	480
caggaaagtc	aaggctgaga	gccagtgtct	aaggcaacct	cgtgccgaat	tc	532

<210> 75
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (507)
 <223> n equals a, t, g, or c

<400> 75						
aggcagagct	agaactagtg	gatccccmgy	gctgcaggaa	ttcggcacga	gccccagcta	60

ggaagaaaga	atggcactct	tgggcttggc	ccagaattag	agtattatga	gcaagagaga	120
gcttaggaag	catgagggca	actatagtga	ggccttattg	ccaggaggga	gggttttggg	180
tgctggcgct	tgtgtataaa	ggggcaagag	cagctccttt	ggactattcc	tggggaggact	240
ctgatgcagg	gcgtctgttg	ctccctctgg	tcacctcttc	cctgctcgct	gacatctggg	300
gctttgaccc	tttctttttt	aattctacttt	tgctaagatg	catttaataa	aaaaaaaaag	360
agagagagag	agggtgtgag	gacaaaaatg	aaacctattt	cccttgccct	ataggcttct	420
gggatgtcat	cacctccagt	ttgttggttt	tgtttccaac	tgtttaataa	gcattgaaac	480
agtaaaaaaa	aaaaaaaaaa	acaaaaanaa	aaaa			514

<210> 76
 <211> 644
 <212> DNA
 <213> Homo sapiens

<400> 76	
togagttttt	tttttttttt
aatgtgcagg	ttgtttacat
ccgtcatctta	gggttttatgc
ctttcccaact	aacacctctcc
tcatagtatg	tatgtagaca
taacatacta	aagatactct
cactttggcaa	aggccaaagc
gtccagtgct	cgctcccccac
gctacgtctta	acaaccacac
ggacattcca	tcctcgagaa
gccaggggat	ggggcaggcg
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aggtatacat	gtgccatggt
cccgcatgca	ttaggatatt
tgagtttatg	aatccttgca
cacacacaca	cacacacgtt
tcgttacctt	cacagtacaa
cagttaaggg	caggggtgagc
aggggccccta	actcacccac
acaaaagcag	caagaaatgg
ggaaaccttta	ggctcactcc
gttggactca	ctcgtgccga
attc	
acatgtgctg	60
acctatcaac	120
cttccccccc	180
atgtatatga	240
acacaaatgg	300
ccccacttag	360
caagctctat	420
tcagccccag	480
cttctggggca	540
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	644

<210> 77
 <211> 1199
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (469)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (582)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (630)
 <223> n equals a,t,g, or c

<400> 77	
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ttctcatgct	tgtcccatct
ctctctcttt	ccgttgccca
agataaatgg	gctgttaaga
agcaatgaat	gattcacgga
cagggtacct	catggtcaga
tgcaraaaca	gctggattgg
actcagcact	gtatgaatgg
tttataaaaa	gaggaattaa
ctcaataaaa	tgtgttgaat
aattttaaagg	agtttaattg
ctgcarattc	agagaggctc
tacagaaatc	agaggtgagg
tatttgaaca	cagctctgaac
ttggctgana	ctcagctatt
	60
	120
	180
	240
	300
	360
	420
	480

gttacaggct	gtaatcctaa	attagggttt	caatcttgtc	tgcacactaa	ggtagggttc	540
agttcgtcca	caaggactta	aatacagaag	tatggagtc	tnctcaggcc	atatttagtt	600
tgctttaaca	aggcatagca	gtgataagtn	cgagagagag	gtggtcagca	cgattcactca	660
ctgtcctcag	acaagaagag	gatgaggagg	gatgagccat	ttgtgcctat	ttgtgkaccct	720
tttggcacaag	tcatgtattac	ttagtcatgt	wacatgtaac	ttagcatgac	ccatgggttac	780
agaaactagg	ttttaattttt	ttatccaaaca	gtgamgtttt	ccatacttca	ctcaagtact	840
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cgcttctggc	gtgccttggga	aatcaatagc	taaaaaygtt	ttgtgaacct	tttagtagttg	960
taccttgggt	aggtttggga	tgttccaggga	gaattaatga	acamttaggt	gctmgttttg	1020
tcattttaca	gggaaataata	agcaaatgcg	tgtttgggaag	tgtgatttcta	tcaaatctgt	1080
ttataaataa	gtgcatattt	gccattttaa	gtaatttttt	tatctgtgac	ttgggcttca	1140
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<210> 78
 <211> 660
 <212> DNA
 <213> Homo sapiens

<400> 78						
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ctagtaatcc	gtgcacacag	cctgctgttt	gccatgcaga	atgatggcct	caagtctcatg	120
gaaatggttg	tccatgtcct	tcaggcaagt	atagggttct	tgttgcctta	ggtggatgtg	180
ctcgagcatt	ttcttgccat	gtccattggc	aatgcagggg	ctcctttgcc	actgctggat	240
gtgctgggga	aggatgttat	tgatgtggct	gaaagaagag	agagcaagaa	atgaaatggg	300
tagatgggga	caccagagga	atgagaaaaga	ttagctacca	aatgggtgact	ctatagggta	360
ctgagtggtg	gatgagtcca	cgttggtgaa	gggttggttg	aacagtgga	gggtgggttg	420
atgggtggag	gggcaggttg	gtgagtggct	ataaggggtg	atgacagagt	gggtgagtg	480
ctatgaggtg	gaatgagcag	gtggatgagt	ggctataagg	gtggatgagc	atcccgggtg	540
atgtaattgt	gatgggcagt	tcagttagtg	ggtagctatg	acgggtggatg	gggtgggtggc	600
tgagtgggaat	tacagatggc	atagatcaca	ccttactttg	cctttgtccc	ttaacctcga	660

<210> 79
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 79						
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cagctgggtt	tacattctca	gctgggacag	cagagcctca	ctgtgtatgt	gtgcagccag	180
cagataacct	tgacagggca	cagaccaccc	aactcgtggg	gacacttcaa	caccgcacaa	240
agccattttg	ccactagacc	catgccccca	aattagcaga	actgctcgtg	ccgaattctc	300
gcagcccggg	ggatccacta	gttctagagc	ggccgcaccc	gcggtggagc	tccagctttt	360
gttcccttta	gtgagggtta	attctagact	tggcgtaabc	atggctacag	ctgtttccctg	420
tgtgaaatgt	ttatccgctc	acaattccac	acaacatacg	agccgggaagc	ataaagtgtg	480
aagcctgggg	tgccataatga	gtgagctaac	tcacattaat	tgcg		524

<210> 80
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 80						
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tctggaactg	ccttttagca	ttacttgaaa	aacatttaac	tactttgtac	aaattaataa	120

0577433-1000

taacagtgtct	actagatttg	ctcagtgcca	ggcataagt	ctttacatct	gtgaactcat	180
ttaactgaat	tggtcccggtg	gttgggatag	aacagctgcc	cctccttcag	cagcggttcc	240
agccgtccta	gctctgcggc	ctggccactt	tgttttcccc	aatccccggy	ctccaggagc	300
agggctctca	gctccccctg	ctctcacgtc	ctcacctgag	ctgaggagag	gacaggggtg	360
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aaaaaaaaact	tcga					434

<210> 81
 <211> 735
 <212> DNA
 <213> Homo sapiens

<400> 81						
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tcctgttcat	tagatgtgag	tcagtaagtc	cagccactc	tcaggggaag	gggtgtgaat	120
atcagggaat	ggggaatcac	tggggttatc	ttagaggctg	ctaccataac	ggaggaatat	180
tggcatcttt	attttcatta	acctctaact	ggcttttagt	tcacattcta	caataaatgt	240
agggcaacaag	tcactgtggt	atgaacagca	cctgtgggtt	tgtaaccagt	ataaatcaga	300
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gggagttatt	agmctactgt	cactagattt	tgttatttaa	tataaaaaaa	gaaattcaca	420
tactatataca	acaacttaaa	aaatgcttgg	acaaaaactat	tttatttgta	actttttgta	480
ttttgtttta	tgagatgtaa	aatattattc	tgagagggtga	tcacagagta	ttaccaaact	540
gttaaggcgt	ttgtgacaca	aaaaatttaa	gaatccctaa	gcaagtgtga	ttcaaatgtt	600
ggttctggga	acagcagcat	caacatcacc	tggggaactag	tctgaaacgc	aaattatcac	660
gaggttcctt	ccttgaccta	ctgagtcaga	aactctggcg	gaggggaccga	gcaatctgtt	720
caaatacacc	ctcga					735

<210> 82
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (697)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (717)
 <223> n equals a,t,g, or c

<400> 82						
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gatgagcaca	tgggcaaat	gagggtaagg	cactgaccca	tgatcataca	gctgagaagt	120
ggcaaaaggca	ggatttgaa	ctagaacctc	tggtctccaca	cactagtaat	ctaaaccact	180
ctccctacaa	tacaacatc	gtggtaaa	tggtgtggtg	gcacgcaatc	aacgtagggtc	240
ccttcacagt	tgctggggaga	ggcaggaatt	tgagttctct	ccgcgttctc	ctcctccgct	300
gccacactgt	ctctgggtcat	tcctgcagcs	tgccctgcc	tgctgtgtct	cacctctcct	360
ctgcacaacag	aagtctgggc	agggttttat	gggctctgat	aaggcccttg	cagggccgaa	420
tgatgatgag	acttctctt	tgcaggagg	cgtaggggag	gggacccag	tgatttgggt	480
cctggctggt	caccagggaa	gctggcaagg	gaaggggag	taggggtgcg	tctaggagaa	540
gcgcagacgc	tgagagtccc	agaagaggag	ccctgtggac	cctccctcgc	cagccactcc	600
cttacccctg	gtataagagc	caccaccgcc	tgccatccgc	caccatctcc	cactctcgca	660
gctcttctca	cagaccagcc	actagcgag	cctcganggg	gggcccgtcc	caatttncct	720
ct						722

<210> 83
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 83
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 aattagcaat ggttttggca agaatactgg tattgatgct gtttttagca ctgaaaaaac 120
 ctgtgggaga aatgaggaa ttaacacatt gtaggtgtta agattctctg gtgtctgaca 180
 gtatccctgg aaccattatc attaatatac ttttcaatca gaaaggcaaa ctactttgct 240
 gttaggcttc cagatgaggt tttttgaaaa aacagtaaga taataaaggc ttggattgct 300
 cctacttctc gaggcaagtc acatctcata ttattcagaa cttggactga agagctcata 360
 gggcaagtga ggccaaggtc aggagctctc agacatcttg ggccaagtgc cattctagaa 420
 gaaatgattc tcttctcag tcaccatcta tctatgcccc cagggttgac tgcgtctttt 480
 cccaaggagt gctgttcatt cctgacacaa gggagaccag aaaagagatc atgaatgaca 540
 gtgaaaacct ttatgacat gacataaagc agagagttag actgaatatg agttggtagc 600
 ttttctcttg tatctgtgta agttgaatca tacaaaaattg tcattttggt gattcaaaaag 660
 tgtaaaaaca aagcaagttc atatgattca agcttacatt ttttctctac tataaagaaag 720
 aggattttaa gaattgtatt aggttagcga atctgatttc tttcatgcaa atacagctcc 780
 tcgga 785

<210> 84
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 84
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 cctctgagtt gaattagaga aaacgacatg gacacacgtg gagtgggttt aaggagcgga 120
 gaggtttaata ggcaagaagg aaggggagaag acagaaggaa gaagctcttc catatggaga 180
 cagagggagg ggggctccaa agccaaaaa gagggtcccc aagtgcagtg gacaccagcc 240
 aagtatatat gcagaggctg gaagggggcga tgtctgattt acatagggtc caggggattg 300
 gtttgaccac gcatgttatt cacatagccc actaaaaagc tggctctccc accctagtct 360
 tttaatatgc aaatgcaggg agccatggat gtctacaca tgtggggata tttggggatg 420
 ttctacacat gtggggcgcc catgttgcca ggaacatgtg agggcaagggt aagaaggcct 480
 tgggaattgc catgttgggt ggaccagctt tctaattggc tgcatttgca tatcaaaagg 540
 tgctcgtgcc gaattctctg agccccgggg 570

<210> 85
 <211> 905
 <212> DNA
 <213> Homo sapiens

<400> 85
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 aactgatcta gtttatcact ctcttatctc tacaatttat ctctcactca aagaactaaa 120
 gttatctctc aaaaacacag aatgaatcag ctactctccc tcaagactct taaatgggtc 180
 ttctattact gttgagaaaa gccagactt gtttagtgga gcaattaaa cccccacaa 240
 ttatctgcga gaagactttc tggaaacctg tatgggtttt tggccctcca acttacagtc 300
 ttattgggtc attatttttt tctcatcatg ccacacattt ttgtgtcagg taattttagt 360
 cttttggcct tgttcttact atcagccaac ttcatagttg aagtcacagag ttggttgg 420
 ttgttgttgt tttttatcka tttgagtagg agttacaatt tttatttgtt ttgtgacagc 480
 attattttct gaacacattt ctctcatattc ttttaaaagag ttctcttttt aaacctatgt 540
 tattcaagggt taacaaaaa acgagttctt ttgtttggat gttatgctta cacttacttg 600

aatatgttgt	tttttttcca	gactagccat	tagcaagatt	cctgtggagt	gagggagtgc	660
ccagggtagt	tctccagatt	attctgtcca	aattcttcct	cttctcatgc	tgagtgatg	720
aattatttct	tcaaaactat	gacccactg	tgtagctcca	cctttccttg	ttctcacaag	780
agtgtacaaa	atcgttgtgt	cttctgagcc	atggctaaca	agaatcctag	ctactgcctt	840
ccactatate	tttccctttt	taaaaggagc	attttctgag	tttagtcatc	tcaggccttc	900
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<210> 86

<211> 706

<212> DNA

<213> Homo sapiens

<400> 86

gaattcggca	cgagcaaaaga	tgaggctgtc	tacaaaactta	tgatcatc	taataaatat	60
tttaatacag	aatgtttctaa	attttaatat	gaaaataata	tttaagtctc	ttccatgtgc	120
catgcataat	cttatataca	gtataatttc	atttttatat	aatttctgtg	ccttaccctt	180
tgcttctccc	caattccaca	atgaagaaag	tagttacacc	gcccctcggt	catgtacaag	240
gggggggttt	gaatccaggt	ctctaggaac	ccaaaagtca	tgacaccttc	aaggcaaaag	300
agattaccat	gttacagcat	agataaaaac	ataatagaat	taggaattgg	ataagtatag	360
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tttgagata	ggatctccaa	aggtaatgca	gatgtaatca	gttaagatga	ggctaatccg	480
gattaatatt	ggctcctaata	ctaagtactg	gtatcctttt	aagaagaaga	gaaaacacag	540
gacacagaca	caaggaagca	gcaaacgtga	agacagaggg	tggggggtgt	gtgatgcagc	600
tataaggcat	ggggccacgc	gaggctggga	agggataaag	agggaccctt	ccccaaagcc	660
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<210> 87

<211> 1544

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8)

<223> n equals a,t,g, or c

<400> 87

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ataactctct	tgcatatgac	aactattatt	tgatatataag	agaaagaagc	aaaataacct	180
tattgaaata	aagatactat	cgaaagaaat	gtacagtgtg	cgaagtggag	aaaatgagga	240
tatatctctg	cagacgagct	ataggatcata	catgaatgtc	tagtgagaca	ttcaaaattc	300
gtatagggtg	cagagtaatt	tcttattgtg	aggaactgtc	caatgtattg	caagatgttc	360
tgcatacttg	gctctcacat	actaaatgct	agtagcgccc	ccacccccac	gcccagtcac	420
ggtgcacacc	acaaaacccta	tcagatctat	tcaccttttt	cagagcagat	attttgtaac	480
attctctctg	ctgacctgaa	atgactcata	gataatacaa	tctacttaca	catcatgaatt	540
tcttaaaaaa	atcaatttaa	tgccctaact	ctcttatttaa	ggagaaatag	aaaagaagaa	600
atttataatg	aaaagaagat	gaatttcatt	atgtaaaacg	tcaggcatga	ctacgctgtt	660
tgaaacagac	agatgtttac	tcttctctgt	aatgagttag	tttggtattt	agagccgatt	720
agaggctact	tcctgtaaaac	aagtacagga	aaatgaaact	agacgggtgg	gggacactag	780
aatgaaaacc	agtggttaggg	taaagacaaa	acagactatg	tacataatct	gtatatggga	840

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<210> 88
<211> 840
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (326)
<223> n equals a.t.g. or c
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[illegible]

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<210> 89
<211> 510
<212> DNA
<213> Homo sapiens
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>400> 89						
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tttagccgct	cgccaacctt	ctacgccttc	cgagagagca	tcagctcaga	gcacagcgt	180
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ctctggagct	gagccacgca	ctgtggagctg	gtgcacctgc	cagcagcgcc	caccagaacca	420
gcctctgtct	ctcgacttcc	ttcttaactg	tcattgtgaaa	taaaagctat	tcctgtctcaa	480
ataacaaaaa	aaaaaaaaaa	aatcaactcga				510

<210> 90
 <211> 738
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (66)
 <223> n equals a,t,g, or c

<400> 90
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 ttcccngggt cgacccacgc gtccgggtcaa taactgtcat agtgaaaatg tgggtttttaa 120
 gagtagtagc tactttatggg ggtgtagaaa gaatggccctc tctcttagac aatttcattt 180
 taaacatcat agtcacatctt tgcatagtga ttgactccta tctttgtgggt ttcattgtatt 240
 tctttgtgat tgattcccca gtgcctgcct gcagtcacat gcaactctcc caaactttaa 300
 tctcgagcgt ccagcccaact gctagatatt tccattgatg acctgtcatc tgaacacctag 360
 cattcatcat gtgctgtggt gtataattgt atgtctgtgt tattgtatta ctttcccaag 420
 taaagttttt gtgtaaggac ttaacactgc tttgaatccc ctgtacacct tatactgctg 480
 tgtacaaagt aggagttcaa atacatgtga tcaacaatag ctccatttca taactcatca 540
 gcagctcagt ccttcttatg tctagtctca gtccattcag ccaaagctca tttttgtcct 600
 atccaaagta gaaagggttc ttttagaaaa cttgaagaat gtgcctccct tttagctctg 660
 tttctgactc ccagttattt ttaaaaataa tgatgaataa aatgccaaaa aaaaaaaaaa 720
 aaaaaaaaaa gggcgggc 738

<210> 91
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 91
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 caggatctgg ttaakgttgt cagctcagtg gatttgagaa tatccacaga taagcaactc 180
 agaaggatca tacttgtatt gtaggccctc aggtattcag gaaatagatc ttctctgtg 240
 attcaatagc cataatccaa attaaacatc tggcttttcc aatgtgtatt tttgaatgta 300
 tgtgtcattt ctccatagac atatcaaatc attactatgt ggtaagattt tatccagaag 360
 attctcttcc taaaaccttt atatatgacc cttttaagc ataaaattat tttaggtgtg 420
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 aattctctga gccccggggg tccact 506

<210> 92
 <211> 1203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1165)
 <223> n equals a,t,g, or c

<400> 92
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 agaaaaatca caattgttac gtgctgtctga acagaaaagg gcagttagtgg ccacttacag 120
 gaagacacat ctgtgtgacg tagagattcc agggcagggg ctatgtgtga aagcaactct 180
 accatgcctg ggcccagctc tgagtcacct gtcagcacac cagcaggcaa gattgtgtcta 240
 gctgtctgct atgacatgog gttccctgaa ctctctctgg catggctca agctggagca 300
 gagatactta cctatccttc agctttttgga tccattacag gccacgccc cttggggagg 360
 ttgctgctgg cccgtgctat cgaaacccag tgctatgtag tggcagcagc acagtgtgga 420
 cgccaccatg agaagagagc aagttatggc cacagcatgg ttgtagacc cttggggaaca 480
 gtgggtggccc gctgctctga ggggccaggc ctctgccttg cccgaataga cctcaactat 540
 ctgcgacagt tgcgcgcaca cctgcctgtg ttccagcacc gcaggcctga cctctatggc 600
 aatctgggtc acccactgtc ttaagacttg acttctgtga gtttagacct gccctcccca 660
 cccccacct gccactatga gctagtgtct atgtgacttg gaggcaggat ccaggcacag 720
 cctccctcac ttggagaacc ttgactctct tgatggaaca cagatgggct cttggggaaa 780
 gaaactttca cctgagcttc acctgagggt agactgcagt ttacagaagg ttgaatttta 840
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 gcattggagt gggcagtagg gtggaggagg gggaaaggaaa aaggaaattc ttcacttaca 1140
 cctatgatgc cctttgccca agccnagaaga aagcaagggg gaaaaggggg tgcagggtac 1200
 att 1203

<210> 93
 <211> 710
 <212> DNA
 <213> Homo sapiens

<400> 93
 gaattcggca cagggtttcac catgtttggc agggctggctt caaactcctg accgcagkga 60
 tcccaaaagt ctgggattac aggtatgarc ctcccaaaat gctgggatta caggcatgag 120
 ccaactgtccc cagcaggatt atcttactat attgtgccac agaataatttt attagcgttt 180
 gatttgaatt acatagaatt ataaatttgg tattttgtac ttctctgctg aaatcatgat 240
 accatgaaca ttctgatgtt tgcgtttatg ataatttca tgggagctaa atttcaagaa 300
 ctagaatttt gggctcagag atatgatcat ttaaaagcaa catctgttga tcagattgfc 360
 agatacttaa agatgggtgg acaggagcca ttgctggcaa aggttttgggt aaggggcact 420
 tgagttagct gctagtga ca ggaatttcta cgcattttgt catagaatct gggaatgact 480
 attaagattt attttatccc tctctaggta aaatccctct ctaggatat aaataaataa 540
 taaataataa ataaataatc agtttcagcc aggcacaatg gctcacacct gtaatccag 600
 cactttggga ggcacaagcc gatggatcac ttgaggctca ggaattttag accagtctgg 660
 ccaacgtggt gaaccccat ctctactaaa aaaaaaaaaa aaaaactgca 710

<210> 94
 <211> 1750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

05774639-02101

<220>
 <221> SITE
 <222> (34)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1287)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1392)
 <223> n equals a,t,g, or c

<400> 94
 agaaagttaa agctgtttgc aatnatataa attnctaatt tggaaatcat gacaagcagt 60
 cttaagaaca aagttaaaaa taataaagtct ttatccaagt caccaatgaa acaggattctt 120
 gattcattaa tcatgtctctg cccacttttt tcaacaaacc tgacgtccta taatgagcta 180
 tacagtgtaa ggcataatttc atagcaacgt tgggttgattg ccaaggagac tctgccaccg 240
 tctgggataa gctcatgttt ccccttttct tggctgctaa tagaagggca acttacagt 300
 cagggtcaag agcaagaagc tggggggagta gaggtctatc atctagccta ataatagaga 360
 tctgaggtgg tyaccaggag actacgttct ttgtattcca ttcttcagca gcaaaagtac 420
 ttgagttcaa atgataaaaac ttgaagtgtt aggccttggaa gagtatcagc tcatgtatct 480
 ctctcttgca taaatacaag ggaaggccca aggaataatc agcattaacc tggcaggctcc 540
 aagggtcttc tatccctgac ttcatctgag tcacaagatt tctctaataa gagaaacttt 600
 gctactctga ggaataattt cctcttatgg agccccagt tcagaggtta gaacagtctt 660
 ttacagtgga ggtccaaaat tctggacttc tagaacaag tgaagtgtgc taaagtctcc 720
 tatttattgt ttctcttcca gtattgtgcc atcgattctt gcataaaatt ctggaaatgct 780
 ggctcttcac ggctttcttc tgtaactctg tggtaactgt catcagatc gctgtctgct 840
 tctctactct ctctcatcaa ggttctctga gtcaggatca aatcagaagg gtcagacgt 900
 ggagataaag tgccttttgc agtccctgca tccaaggcta cagaacccat atcttttctga 960
 aggcgttcca gttgttctct ctgctgttgg ctctctgctg tggccagtga ttttttctga 1020
 gcttcatatt caggagcata ctccctttca tattcttctg cagcactggt aacttgcaca 1080
 aagagttcat ctaatccagt acccagaaca gcagagacac ccaccacct gagtgcagctg 1140
 taaaactcat ctaacaccag gctcattgaa cgagtcaggt tatgactgtat gtatctctt 1200
 gattcaaggc atcttggaaa gcctyaaaat cctgcattca ttccactgca aagctgtggt 1260
 caatgatgtc agtttttatt atgcccncaa ttgaaagccag ttctggttttg tataagatgc 1320
 tgcaggcata gagcatgttg cacatgaagg tcaactgggtt ggtacttctc gatgtgtcca 1380
 ttacatagat gncaactgtt ggaaatgagg atgcaagggc ttcaagtata attgtcccg 1440
 aagctgacca ggtgaatacc tcaatctgtc caggtgtgtc aatcaacaca tatttggaca 1500
 tttcttgggc ctctctcaata aatttcatca ccaatatggc caggaaaggg aacttcagt 1560
 actgctggat ccaggttgat cacatacggg ggagtgctct gggcatgcag gctgctctgt 1620
 agcctctgta caaaagtggg tttcccggt cccgccattc ccaacaccaa cagacacact 1680
 ggggtgccgc gacccccaga agcctggagc tcagcggcag ctgcggagc cggcatcttc 1740
 ctcttgccaa

<210> 95
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (272)
 <223> n equals a,t,g, or c

```

<400> 95
ggaattcggc acgaggaatat aaggtagcac atccccagct gctgaagaac tagaatgtct 60
attacactca tacaattgat gttttatttt aatacaccag agctaccaca caaaacttcc 120
ttccatgtga aagggtccag ataaaattct gccatccctc ctctcctcat gtctcctcgc 180
tcagaccacac cttcatgccc ctaaaaccaat ctgcatcatg cctgtttcag agagtcatgg 240
gaagatgggc agtgctctca ttgtcaccat tnccccacac ctctgcacac ttctgccccct 300
tcccctctag acgccacac ttcacagtct tactgttgta aatattcctg cacagtttagt 360
aatgatcaaa tgatcctgtg gtcagaggcc tctttggcag tgtcttctta cctttaagaa 420
agggtcatgaa atccagaagg ggcacacctt ccaggagagc tttggagtca tttctgtgtg 480
agacactatt gcataatctt gtaagattgc ttttatattt aagggaatgat gttacttaac 540
aaatgaacaa aaaaaattgc aataaattt tttacaatg tttaaaaaaa aaaaaaaaaa 600
actcga 606

```

```

<210> 96
<211> 617
<212> DNA
<213> Homo sapiens

```

```

<400> 96
gaattcggca cgaggcgcaa gatagattaa aatgtctcta cttctctttt taaaagttca 60
tcttttttagc cctctctaca ttttcaaaa aaataattag atgtgcgtg taacatttat 120
atgaagaaaa tagtttgaga caacctaaat atgtcaatac trgawtaatt attaaaaata 180
wtcatggccc tgtcatataa twgaatacta tggagtttgg aagaaagcat gatgtagaat 240
attcaattat atgggaaaat aatcagtaaa tctttttaaa acagaaggta aaactatata 300
tagttcaata tagtaaaag ggcggggcac agtgcctcac cctgtaactc cagcaacttg 360
ggaggccaaag acaggtggat ccctgagggt tgggagttcc agactagcct ggccaacatg 420
gctagtctct actaaaaata caaaaaatcag ccaggcatgg tagcaggcac ctgtaactca 480
agctactctgg cagggaaggc aggagaatta cctgaaccca gaaggcagag gttgcggtga 540
gccaaaatca tgcactgcca ctccagcctg ggcaccagag tgaactctg tctcaaaaaa 600
aaaaaaaaaa aactcga 617

```

```

<210> 97
<211> 634
<212> DNA
<213> Homo sapiens

```

```

<400> 97
gaattcggca cgagatccct tgacccctcg ggtaggcaca ggttaggtgc agcagggatg 60
gggcccagcgc tcatgtgtgc ctctctgtgc ctggtggagc ctgccccagc agtgggagcc 120
ataacccctt ccccttctat tacttctact aggtgggcac ctccccctgc aggtgtgtctg 180
cctcaggga actcaaggac tctcagagac accagggcag cctggccccag aggaagcaaca 240
gccaggcccc caggaggaca gccatggaga gaactgagac ccacttacag tggggctctgg 300
gaacccctgc tgtacctggg gtycagtcct tcccactccc ctcttctgtg tctcccccca 360
gcaaaaggtg ggtgaccact tctgtagcta agcactctgt ccccggtctt ctccaccagc 420
gacatctgtc tctctggagt gtctgtctgt ctgtccctcc ctctetgaac ctgcttctct 480
cgtgtccccct gctctctgcc cctggggagcc camtcccmct ccttgcggct ccttcccatc 540
tcactcaagg ttctctgagg acattaaagt ggtggattca ccctgaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaac tcga 634

```

```

<210> 98
<211> 512
<212> DNA
<213> Homo sapiens

```

[illegible]

gaggggggggc ccgtaaccag cttttttccc tttngtgagg ttgg

944

```
<210> 100
<211> 2351
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (593)  
<223> n equals a,t,g, or c
```

[illegible]

```
<210> 101
<211> 776
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<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (775)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (776)
<223> n equals a,t,g, or c

<400> 101
aatgaaggct ttgtgggaca catgacgctg agtggcccg acttgagct gcatgctcc 60
aacgccccc tcctaagtgc caacgccagc caggggaagt tgcttccggc ccactcaggc 120
ctcagcctca tcatacgtga cgcaggccct gacaacagtt cctggggccc tgtggcccca 180
gggacagttg tgggttagcc tatcattgtg tgggacatca tggccttcaa tggcatcatc 240
catgctctgg ccagccccct cctggccacc ccacagcccc aggcagtgct ggcgcctgaa 300
gccccacgtg tggcgccagg cgtgggggct gtgcttgccg ctggagcact gcttggtctg 360
gtggccggag ctctctacct ccgtgcccga ggcaagccca tgggctttgg ctctctgccc 420
ttccaggcgg aagatgatgc tgatgacgac ttctcaccgt ggcaagaagg gaccaacccc 480
accctgtgtc ctgtccccc aaacctgtctt ggacgagaca ccttttctga accctctgat 540
gactcactgc tggagggagg ctctccctgac acccagagga tcttcacagt caagtgcaga 600
ggctggggct gaaagcagaa gcatgcacag ggaggagacc acctttattg cttgtctggg 660
tggatggggc agggagggct gagggcctgt cccagacaat aaaggtgccc tcagcgggatg 720
tgggccatgt caccacaaraa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaannn 776

<210> 102
<211> 1065
<212> DNA
<213> Homo sapiens

<400> 102
gaattcggca cgagagggtc agggaggctg cccccaggcc tgtatatatta acccctatgt 60
accaggagta atgaatagta ataattctat ttatgttaagt tatgatgacg ggtcaggtag 120
agtgaagctg ggaggggaagt ggaatccatt ctgctaagga aattctagtc aatgcattct 180
ctgtatagac aaaaatgttag tggagaagat cttgttaata gaattgtctat catcagaatc 240
tcagtttgata ggtgtttctct tgtaatgaaag tctctacaaa ttggggttagc tacattctctg 300
ctaaacagtt gatgggggat ctcttgatta gggggatccc taatatcccc agccccaggcc 360
agaagctgtg aaacctcaag tcttatggag ggggaaagga ctggaaatgta ccccatctyc 420
cttgactgma gacgaggttc ctccactgcc ccacccctta gacaccatgm ccccatcagg 480
ttaatcccc ctgtccatgg ttatggagac ttgcagctgc catcttagat gtgctctttg 540
gggaagccca tctaacagga ggaacattgt ttgggggtgc accctctgaa gaatgggttg 600
ggaaggcttt ctctaggatc agattcaaat aaatcaagta tgtattgagt gcctactctg 660
tgcaaggcac tatgctagat ctgggtgccta gaagccctga gaaagaactt aaagagctag 720
gaggacagag gcccccaagc tgatctgggt gtgcatccac gcacccccac cctgggacttt 780
tggatgctccc catctccacc tccagtgact tttaaagccg ctctgtgctt ttcctgtaac 840
gttgctgctc ccttttctgt cccctgtctg ctcaaggccc caagttaaag gggttaaagcc 900
gtcggagcct ggggagagaa cattgtggaa tggaaagggat catgcccctt gtggagctct 960
ttttttttaa ttttaataat aaaagtggga ttggaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa ctcgacgggg gggcccgctac ccgaatcgcc ctatg 1065

<210> 103
<211> 687
<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (660)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (664)

<223> n equals a,t,g, or c

<400> 103

aaaccagctt	ttgccctgat	tacgccangc	tcgnaattam	cctcactaaa	gggancaaag	60
ctggagctcc	accgcggtg	cgcccgctct	agaactagtg	gatcccccg	gctgcaggaa	120
ttcggcacga	gcagaaaaca	acatggaagc	caagttccta	ggaaatgcac	cctgtgggca	180
ctacacattc	aagttcccc	aggcaatgcg	gacagagagt	aacctcggag	ccaaggtggt	240
cttcttcaaa	gcaactgctat	taactggaga	cttttccag	gctgggaata	agggccatca	300
tgtgtgggtc	actaaggatg	agctgggtga	ctatttgaaa	ccaaaaatacc	tggcccaagt	360
taggaggttt	gtttcagacc	tctgatgggc	cgagctgcct	gtggacgggt	ctcagacaag	420
tctgggatta	gagcctcaag	gacattgtgt	gattgcctca	catttgcag	taabatcaag	480
cagcaaaacta	aattctgaga	aataaacgag	tctattacaa	aaaaaaaaaa	aaaaaactcg	540
agggggggcc	cggtaccocaa	tttcgcctta	tagtgagtcg	tattacaatt	cactggccgt	600
cgttttacaa	cgctgtgact	ggggaaaccc	tgcggttacc	caacttaatc	gccttgnagn	660
aaantccctt	ttcggcagct	ggggtaa				687

<210> 104

<211> 804

<212> DNA

<213> Homo sapiens

<400> 104

gaattcggca	cgagattttc	ttcatgcagt	attctcagat	tggaaacatg	cttcactgttt	60
cttataaata	accctcaatt	atgagggcgt	acttttcact	ttgaagaaaa	ttgacttgca	120
ttaaagtggc	taacaattct	ttcctgggca	ggaatgtaaa	ttttcctctc	ctctaatacc	180
agtactgttg	agctcacatt	ctcccacttt	tcctcttttc	aggtgggtca	cgattttggg	240
attttatgaa	acctcagaag	cagacatggt	aacttttctt	atctttttat	tcctgagggt	300

```

agtcctgggg ctcttaagag attacagttc ttaaaacctg gaaagtgcac ccagagaggt 360
agatcttagt tcccaaaatt aaagttaact tctagggcat aaaacctttt cagaattcag 420
atataatttt atttattttt tcttttttct gtaaccttat atttgagggg aaaattttat 480
tttcaacttt tgcatatatt taattttaaca tttgggaaaa ctgttaattg gccaaagtgt 540
ctccctttat atgattttcc agatttttac cactttctta gtgccacttg atgctagcca 600
ttgtctattg gagactcact ggtacgtaac tgcaggtttt accatgggaa cacatatata 660
catgtctctg aattgaggtg tagggtttcc agaaggactt agttgtccctg tgccttttgtc 720
tgccccatgc caaagaccac taagaacagt tttgttaagt aaacttgggt ctacacgtta 780
aaaaaaaaa aaaaaaaaaa tcga 804

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<210> 105
 <211> 373
 <212> DNA
 <213> Homo sapiens

```

<400> 105
ccacgcgtcc ggttctttga ttgcttcata agaaaccggt gtattgtctt gtgctgaggt 60
cttagatatt ttctagcact caggagtgcca aaccattgct tttgggttag aaatgcata 120
aagaaacatg cacgtctatc tgaactacaa ataaactttc tgccttaagt tacttaggct 180
aatgttgaaa catttgttca ttcaacacaa accacatggt ggcagaagaa gagagaccct 240
cattacacca catagtagca ataggagctg caatgtcaca atgagtttta aaaagaatgc 300
ctctttaaaa gaaaaaaaaa aacaagaaag aaagaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaa aaa 373

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<210> 106
 <211> 687
 <212> DNA
 <213> Homo sapiens

```

<400> 106
ccacgcgtcc gctcctgtga ggtatgggtc tgggtgcaga tgcagtgtgg ctctggatag 60
caccttatgg acagtgtgtt ccccaaggaa ggtatgagaat agtacttgaa gtccataaaga 120
gcaagcctaa ctcaagccat tggcacacag gcattagaca gaaagctgga agttgaaatg 180
gtggagctca acttgcctgg accagcttaa tgggttctgt cctggtaacg tttttatcca 240
tgggatgactt gcttgggttaa ggacatgaag acagttctct tcataccttt caaaggatg 300
gagagtcggc ttgactacac tgtgtggagc aagtttttaa gaagcaaaag actcagaatt 360
catgattgaa gaaatgcagg cagacctgtt atcctaaact aggggttttta atgaccacaa 420
caagcaagca tgcagcttac tgcctgaaag ggtcttgctt caccacaagt agagtgcagt 480
ggcctttgaa gcttactaca gctcaaaact tctgggctca agtgcctcct agcctccctag 540
tggctcttgt agactgcctg atggagcttc atggcacaaag aagattaaaa cagtgtctcc 600
aattttaata aatttttgca atccaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaa aaaaaaaaaa aaaaaaa 687

```

<210> 107
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 107
 Met Glu Val Leu Phe Asp Ser Leu Leu Phe Ser Ser Phe Ile Phe Pro

00776633 "000000"

1 5 10 15
Ser Gln Ser Leu Leu Ser Arg Thr Ser Ala Phe Ser His Lys Pro Asn
 20 25 30

Gly Leu Ser Glu Xaa
35

<210> 108

<211> 457

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 108

Met Val Thr Cys Thr Cys Leu Pro Asp Tyr Glu Gly Asp Gly Trp Ser
1 5 10 15

Cys Arg Ala Arg Asn Pro Cys Thr Asp Gly His Arg Gly Gly Cys Ser
20 25 30

Glu His Ala Asn Cys Leu Ser Thr Gly Leu Asn Thr Arg Arg Cys Glu
35 40 45

Cys His Ala Gly Tyr Val Gly Asp Gly Leu Gln Cys Leu Glu Glu Ser
50 55 60

Glu Pro Pro Val Asp Arg Cys Leu Gly Gln Pro Pro Pro Cys His Ser
65 70 75 80

Asp Ala Met Xaa Thr Asp Leu His Phe Gln Glu Lys Arg Ala Gly Val
85 90 95

Phe His Leu Gln Ala Thr Ser Gly Pro Tyr Gly Leu Asn Phe Ser Glu
100 105 110

Ala Glu Ala Ala Cys Glu Ala Gln Gly Ala Val Leu Ala Ser Phe Pro
115 120 125

Gln Leu Ser Ala Ala Gln Gln Leu Gly Phe His Leu Cys Leu Met Gly
130 135 140

Trp Leu Ala Asn Gly Ser Thr Ala His Pro Val Val Phe Pro Val Ala
145 150 155 160

Asp Cys Gly Asn Gly Arg Val Gly Xaa Val Ser Leu Gly Ala Arg Lys
165 170 175

Asn Leu Ser Glu Arg Trp Asp Ala Tyr Cys Phe Arg Val Gln Asp Val
 180 185 190
 Ala Cys Arg Cys Arg Asn Gly Phe Val Gly Asp Gly Ile Ser Thr Cys
 195 200 205
 Asn Gly Lys Leu Leu Asp Val Leu Ala Ala Thr Ala Asn Phe Ser Thr
 210 215 220
 Phe Tyr Gly Met Leu Leu Gly Tyr Ala Asn Ala Thr Gln Arg Gly Leu
 225 230 235 240
 Asp Phe Leu Asp Phe Leu Asp Asp Glu Leu Thr Tyr Lys Thr Leu Phe
 245 250 255
 Val Pro Val Asn Glu Gly Phe Val Asp Asn Met Thr Leu Ser Gly Pro
 260 265 270
 Asp Leu Glu Leu His Ala Ser Asn Ala Thr Leu Leu Ser Ala Asn Ala
 275 280 285
 Ser Gln Gly Lys Leu Leu Pro Ala His Ser Gly Leu Ser Leu Ile Ile
 290 295 300
 Ser Asp Ala Gly Pro Asp Asn Ser Ser Trp Ala Pro Val Ala Pro Gly
 305 310 315 320
 Thr Val Val Val Ser Arg Ile Ile Val Trp Asp Ile Met Ala Phe Asn
 325 330 335
 Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala Pro Pro Gln Pro
 340 345 350
 Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala Ala Gly Val Gly
 355 360 365
 Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val Ala Gly Ala Leu
 370 375 380
 Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly Phe Ser Ala Phe
 385 390 395 400
 Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro Trp Gln Glu Gly
 405 410 415
 Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val Phe Gly Ser Asp
 420 425 430
 Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu Glu Asp Phe Pro
 435 440 445
 Asp Thr Gln Arg Ile Leu Thr Val Lys
 450 455

<210> 109

<211> 103

<212> PRT

<213> Homo sapiens

<400> 109

Met Gly Ser Trp Cys Leu Arg Gly Gly Ala Val Glu Glu Pro Ala Leu
1 5 10 15

Gln Ser Arg Glu Met Gly Tyr Ile Pro Val Leu Leu Pro Ser Ile Gly
20 25 30

Leu Glu Val Ser Gln Leu Leu Ala Gly Ala Gly Asp Ile Arg Asp Pro
35 40 45

Pro Asn Gln Glu Ile Pro His Gln Leu Phe Ser Arg Asp Val Ala Asn
50 55 60

Pro Ile Cys Arg Asp Phe Ile Thr Arg Glu Thr Leu Ser Thr Glu Ile
65 70 75 80

Leu Met Ile Asp Ile Leu Leu Thr Arg Ser Ser Pro Leu Thr Phe Cys
85 90 95

Leu Tyr Arg Asp Ala Phe Asp
100

<210> 110

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 110

Met Gly Gly Thr Glu Ser Tyr Ile Ser Ser Ser Pro Leu Leu Arg Thr
1 5 10 15

Leu Leu Leu Ser Tyr Leu Val Phe Leu Tyr Tyr Leu Tyr Leu Leu Phe
20 25 30

Tyr Val Ala Arg Ser Pro Phe Gly Lys Ala Glu Tyr Lys Xaa
35 40 45

<210> 111

<211> 210

<212> PRT

<213> Homo sapiens

<400> 111

Met Ala Ser Leu Leu Gln Gln Ile Glu Ile Glu Arg Ser Leu Tyr Ser
1 5 10 15

Asp His Glu Leu Arg Ala Leu Asp Glu Asn Gln Arg Leu Ala Lys Lys
20 25 30

00774639.000104

Lys Ala Asp Leu His Asp Glu Glu Asp Glu Gln Asp Ile Leu Leu Ala
 35 40 45
 Gln Asp Leu Glu Asp Met Trp Glu Gln Lys Phe Leu Gln Phe Lys Leu
 50 55 60
 Gly Ala Arg Ile Thr Glu Ala Asp Glu Lys Asn Asp Arg Thr Ser Leu
 65 70 75 80
 Asn Arg Lys Leu Asp Arg Asn Leu Val Leu Leu Val Arg Glu Lys Phe
 85 90 95
 Gly Asp Gln Asp Val Trp Ile Leu Pro Gln Ala Glu Trp Gln Pro Gly
 100 105 110
 Glu Thr Leu Arg Gly Thr Ala Glu Arg Thr Leu Ala Thr Leu Ser Glu
 115 120 125
 Asn Asn Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr
 130 135 140
 Thr Phe Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala
 145 150 155 160
 Lys Val Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln
 165 170 175
 Ala Gly Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly
 180 185 190
 Asp Tyr Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser
 195 200 205
 Asp Leu
 210

<210> 112

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals stop translation

<400> 112

Met Val Leu Thr Gly Val Arg Leu Met Lys Trp Arg Asp Glu Lys Thr
 1 5 10 15

Phe Gly Thr Asp Cys Val Glu Ala Val Ile Leu Leu Val Thr Leu Leu
 20 25 30

Trp Glu Lys Lys Glu Ala Phe His Val Gly Phe Ser Glu Glu Leu Gln
 35 40 45

Tyr Phe Pro Glu Arg Ser Thr Glu Lys Leu Lys Val Phe Glu Trp Glu

```

<400> 114
Met Val Glu Asn Ser Pro Ser Pro Leu Pro Glu Arg Ala Ile Tyr Gly
  1                      5                      10          15
Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr Leu Val
      20                      25                      30
Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser Leu Gly Leu Thr Tyr
      35                      40                      45
Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro Val Tyr Leu Leu Ile
      50                      55                      60

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Ala Ile Val Ile Gly Tyr Val Leu Leu Phe Gly Ile Asn Met Met Ser
65 70 75 80

Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp Asn Tyr Ala Lys
85 90 95

Asn Gln Gln Gln Lys Lys Tyr Gln Glu Glu Ala Ile Pro Ala Leu Arg
100 105 110

Asp Ile Ser Ile Ser Glu Val Asn Gln Met Phe Phe Leu Ala Ala Lys
115 120 125

Glu Leu Tyr Thr Lys Asn Xaa
130 135

<210> 115

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals stop translation

<400> 115

Met Arg Leu Gln Pro Asp Ile Cys Asn Leu Pro Thr Asn Pro Leu Ser
1 5 10 15

Leu Lys Leu Gly Leu Met Leu Leu Ser Leu Thr Leu Cys Leu Glu Lys
20 25 30

Thr Val Gln Gly Leu Lys Leu Gly Leu Cys Leu Phe Lys Leu Ser Phe
35 40 45

Ser Glu His Met Val Cys Pro Thr His Pro Gln Ser Ile Arg Trp Phe
50 55 60

Tyr Phe Met Phe Arg Leu Gln Cys Cys Xaa
65 70

<210> 116

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals stop translation

<400> 116

Met Ala Ala Gly Trp Val Arg Ser Trp Val Val Tyr Phe Leu Val Thr
1 5 10 15

Leu Leu Gly Ser Ser Pro Ser Pro Val Ser Leu Thr Glu Gly Lys Lys
 20 25 30
 Ile Pro Lys Gly Thr Ala Thr Val Leu Gly Gly Ala Leu Asp Cys Val
 35 40 45
 His Leu Asn Phe Gly Pro Ser Phe Asp Val Trp Phe Val Ser His Lys
 50 55 60
 Glu Lys Tyr Leu Lys Val Asn Met Met Leu Leu Ala Tyr Tyr Pro Asp
 65 70 75 80
 Tyr Cys Met Lys Leu Cys Leu Xaa
 85

<210> 117
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 117
 Met Leu Tyr Ile Leu Leu Lys Pro Leu Leu Cys Leu Ser Val Asn Cys
 1 5 10 15
 Thr Asn Ile Tyr Gln Met Leu Thr Lys Ser Gln Gly Leu Asp Leu Ala
 20 25 30
 Leu Gly Arg Asn Xaa
 35

<210> 118
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals stop translation

<400> 118
 Met Trp Trp Trp Leu Met Leu Ala Thr Thr Ala Leu Lys Pro Ile Ala
 1 5 10 15
 Thr Ser Ser Ser Cys Thr Glu Ala Leu Pro Gly Leu Trp Arg Asp Arg
 20 25 30
 His Trp Gly Asp Trp Thr Arg Gly Ser Gly Trp Glu Val Gly Gln Thr
 35 40 45
 Trp Gln His Xaa

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<210> 119
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 119
 Met Gly Ser Trp Phe Tyr Leu Phe Leu Ala Pro Leu Phe Lys Gly Leu
 1 5 10 15
 Ala Gly Ser Leu Pro Phe Gly Cys Leu Ser Leu Leu Gln Pro Thr Glu
 20 25 30
 Lys Thr Ala Leu Gln Ser Gly Gly Ser Ser Xaa
 35 40

<210> 120
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 120
 Met Gly Pro Lys Ser Gln Thr Glu Arg Thr Ser Ser Leu Met Pro His
 1 5 10 15
 Gln Val Arg Glu Arg Arg Ala His Ile Pro Gln Met Pro Met Asn Thr
 20 25 30

<210> 121
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 121
 Met Phe Lys Asp Phe Ile Phe Leu Thr Phe Leu Pro Lys Leu Ser Gln
 1 5 10 15
 Phe Val Lys Gly Ser Leu Ile Ser Gly Leu Ser Glu Cys Asp Asn Thr
 20 25 30
 Ser Leu Lys Ala Ile Leu Gly Phe Ser Asn Tyr Ser Gln Xaa

35

40

45

<210> 122
 <211> 178
 <212> PRT
 <213> Homo sapiens

<400> 122

Met Ala Lys Val Ala Lys Asp Leu Asn Pro Gly Val Lys Lys Met Ser
 1 5 10 15

Leu Gly Gln Leu Gln Ser Ala Arg Gly Val Ala Cys Leu Gly Cys Lys
 20 25 30

Gly Thr Cys Ser Gly Phe Glu Pro His Ser Trp Arg Lys Ile Cys Lys
 35 40 45

Ser Cys Lys Cys Ser Gln Glu Asp His Cys Leu Thr Ser Asp Leu Glu
 50 55 60

Asp Asp Arg Lys Ile Gly Arg Leu Leu Met Asp Ser Lys Tyr Ser Thr
 65 70 75 80

Leu Thr Ala Arg Val Lys Gly Gly Asp Gly Ile Arg Ile Tyr Lys Arg
 85 90 95

Asn Arg Met Ile Met Thr Asn Pro Ile Ala Thr Gly Lys Asp Pro Thr
 100 105 110

Phe Asp Thr Ile Thr Tyr Glu Trp Ala Pro Pro Gly Val Thr Gln Lys
 115 120 125

Leu Gly Leu Gln Tyr Met Glu Leu Ile Pro Lys Glu Lys Gln Pro Val
 130 135 140

Thr Gly Thr Glu Gly Ala Phe Thr Ala Ala Ala Ser Ser Cys Thr Ser
 145 150 155 160

Ser Pro Ser Met Thr Arg Ile Pro Arg Ala Ala Val Asp Phe Trp Arg
 165 170 175

Met Ser

<210> 123
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals stop translation

<400> 123

Met Gly Ile Met Leu Leu Ser Tyr Ser Asn Gly Thr Val Leu Phe Ile

1 5 10 15
 Phe Val Pro Gln Ile Thr Ser Ser Val Leu Ser Val Phe Cys Ile Val
 20 25 30

Phe Val Gln Asp Ser Leu Gly Phe Ile Ser Val Ile Ser Ala Phe Xaa
 35 40 45

<210> 124
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals stop translation

<400> 124
 Met Lys Leu Leu Leu Thr Leu Thr Val Leu Leu Leu Ser Gln
 1 5 10 15

Leu Thr Pro Gly Gly Thr Gln Arg Cys Trp Asn Leu Tyr Gly Lys Cys
 20 25 30

Arg Tyr Arg Cys Ser Lys Lys Glu Arg Val Tyr Val Tyr Cys Ile Asn
 35 40 45

Asn Lys Met Cys Cys Val Lys Pro Lys Tyr Gln Pro Lys Glu Arg Trp
 50 55 60

Trp Pro Phe Xaa
 65

<210> 125
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals stop translation

<400> 125
 Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys Leu Ala Val Pro
 1 5 10 15

Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu Phe His Ser Cys
 20 25 30

Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp Arg Glu Phe Tyr
 35 40 45

Arg Asp Trp Trp Asn Ser Glu Ser Val Thr Tyr Phe Trp Gln Asn Trp
50 55 60

Asn Ile Pro Val His Lys Trp Cys Ile Arg Xaa
65 70 75

<210> 126

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals stop translation

<400> 126

Met Thr Lys Glu Asp Lys Ala Ser Ser Glu Ser Leu Arg Leu Ile Leu
1 5 10 15

Val Val Phe Leu Gly Gly Cys Thr Phe Ser Glu Ile Ser Ala Leu Arg
20 25 30

Phe Leu Gly Arg Glu Lys Gly Tyr Arg Phe Ile Phe Leu Thr Thr Ala
35 40 45

Val Thr Asn Ser Ala Arg Leu Met Glu Ala Met Ser Glu Val Lys Ala
50 55 60

Xaa
65

<210> 127

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals stop translation

<400> 127

Met Leu Leu Tyr Tyr Ser Val Met Thr Leu Ser Ser Leu Gly Gln Asp
1 5 10 15

Pro Ser Leu Pro Thr Phe Ala Asp Arg His Ser Gly Met Trp Arg Gln
20 25 30

Gln Cys Val Pro Xaa Thr Phe Leu Tyr Pro Pro Ala Val Gly Ser Thr

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Xaa

<210> 131
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 131
 Met Val Gly Ser Ala Met Met Gly Gly Ile Leu Leu Ala Leu Ile Glu
 1 5 10 15
 Gly Val Gly Ile Leu Leu Thr Arg Tyr Thr Ala Gln Gln Phe Arg Asn
 20 25 30
 Ala Pro Pro Phe Leu Glu Asp Pro Ser Gln Leu Pro Pro Lys Asp Gly
 35 40 45
 Thr Pro Ala Pro Gly Tyr Pro Ser Tyr Gln Gln Tyr His Xaa
 50 55 60

<210> 132
 <211> 161
 <212> PRT
 <213> Homo sapiens

<400> 132
 Met Pro Gly Leu Ser Ala Ala Leu Thr Asp Cys Ser Ser Leu Pro His
 1 5 10 15
 Gly Phe Pro Phe Phe Leu Glu Tyr Leu Phe Phe Arg Gly Asn Met Gln
 20 25 30
 Leu Gly Leu Lys Thr Phe Pro Pro Ile Ser Pro Thr Gln Pro Arg Leu
 35 40 45
 Gly Phe Ser Gly Glu Leu Arg Ser Leu Ser Val Phe Ile Phe His Pro
 50 55 60
 Phe Ile Val Thr Ser Phe Val Ile Leu Phe Phe Phe Gly Gly Asp Gly
 65 70 75 80
 Val Ile Val Asn Leu Ile Ser Val Ser Tyr Leu Phe Ala Ser Pro Pro
 85 90 95
 Ser Pro Pro His Glu Leu Leu Pro Ser Arg Gly Leu Ala Gln Leu Ala
 100 105 110
 Leu Gly Thr Arg Glu Arg Thr Asp Ser Gly Pro Pro Gln Leu Ser Pro
 115 120 125
 Pro Ser Leu Trp Lys Gly Gly Trp Gly Ser Gly Ala Ser Ser Trp Ala

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130

135

140

Leu Cys Glu Ala Trp Pro Pro Leu Pro Thr Leu Ala Leu Asp Cys Tyr
 145 150 155 160

Ser

<210> 133

<211> 49

<212> PRT

<213> Homo sapiens

<400> 133

Met Gly Gln Ser Phe Ser Leu Tyr Met Ile Phe Gln Ile Phe Thr Thr
 1 5 10 15

Phe Leu Val Pro Leu Asp Ala Arg His Cys Leu Leu Glu Thr His Trp
 20 25 30

Tyr Val Thr Ala Gly Phe Thr Met Glu Pro His Ile His Met Ser Trp
 35 40 45

Asn

<210> 134

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 134

Met Trp Gln His Cys Phe Val Ile Leu Phe Val Gln Val Met His Thr
 1 5 10 15

Val Leu Ile Lys Gly Ser Asn Lys Tyr Trp Gly Leu Phe Phe Phe Phe
 20 25 30

Pro Gln Gly Ile Leu Xaa
 35

<210> 135

<211> 77

<212> PRT

<213> Homo sapiens

<400> 135

Met Tyr Thr Phe Ile Cys Thr Trp Leu Trp Arg Asp Lys Leu Ile His
 1 5 10 15

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Ile Gly Leu Gln Ile Ser Leu Thr Gly Arg Arg Ala Gln Lys Asn Asn
20 25 30

Ile Phe Leu His Phe Phe Gly Ser Ile Leu Lys Asn Lys Lys Gly Thr
35 40 45

Pro Lys Gly Ser Leu Val Thr Pro Leu Leu Gly Phe Leu Ile Thr Asn
50 55 60

Ile Ile Phe Thr Cys Lys Val Asn Gly Pro Leu Ile Ser
65 70 75

<210> 136

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 136

Met Glu Gly Leu Met Leu Pro Leu Leu Ser Val Ile Tyr Ser Glu Gly
1 5 10 15

Thr Val Trp Glu Glu Ile Ile Val Ser Gly Arg Gln Tyr Tyr Xaa
20 25 30

<210> 137

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 137

Met Cys Gly Val Thr Tyr Ala Trp Tyr Met Pro Leu Leu Leu Lys
1 5 10 15

Phe Tyr Ser Leu Leu Leu Ala Gln Val Leu Leu Asn Pro Phe Leu Met
20 25 30

Cys Thr Gly Trp Arg Lys Asn Tyr Ser Gln His Phe Glu Arg Lys Val
35 40 45

Phe Arg Asn Asn Ile Asn Trp His Tyr Xaa
50 55

<210> 138

<211> 40

<212> PRT

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<213> Homo sapiens

<400> 138

Met Phe Ile Phe Arg Asp Gly Leu Thr Met Phe Ser Arg Leu Val Ser
1 5 10 15

Asn Ser Cys Pro Gln Val Ile Leu Pro Ser Trp Pro Pro Glu Ser Leu
20 25 30

Gly Gly Ser Gly Arg Arg Ile Ser
35 40

<210> 139

<211> 47

<212> PRT

<213> Homo sapiens

<400> 139

Met Ser Trp Gly Tyr Phe Leu Gly Ala Ser Val Leu Leu Gln Asn Phe
1 5 10 15

Phe Ser Ser Tyr Leu Leu Thr Pro Ser Gly Lys Ile Ile Glu Glu Val
20 25 30

Thr Val Val Lys Ala Ser Val Asn Ser Ile Ser Lys Asn Phe Met
35 40 45

<210> 140

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals stop translation

<400> 140

Met Pro Gly Ile Phe Ile Leu Phe Met Thr Leu Ala Ser Thr Phe Asp⁻
1 5 10 15

Gln Arg Leu Leu Asn Asp Ser Gln Pro Lys Asp His Ser Xaa
20 25 30

<210> 141

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 141

Met Ala Trp Val Thr Ser Tyr Gly Pro Leu Glu Asp Glu Ser Asn Pro
 1 5 10 15

Ser His Trp Phe Phe Phe Ala Asn Ser Phe Ala Phe Ile Phe Leu Ile
 20 25 30

Thr Ile Asn Ser Ile Phe His Val Leu Arg Ala Pro Gly Xaa
 35 40 45

<210> 142

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 142

Met Asn Gln Arg Tyr Arg His Lys Ile Lys Asn Tyr Lys Thr Ile His
 1 5 10 15

Tyr Ala Tyr Asp Ser Cys Asn Asn Lys Lys Val Gln Gly Thr Ile Ile
 20 25 30

Ser Tyr Asn Arg Gly Ile Thr Ser His Arg Glu Gln Gln Tyr His Ile
 35 40 45

Ala Gly Ile Tyr Thr Arg Ile Leu Gly Asn Leu Val Trp Ile Tyr Thr
 50 55 60

Arg Ile Pro Gly Asp Pro Val Trp Leu Val Arg Gly Phe Pro Glu Lys
 65 70 75 80

Xaa Ile Ser Glu Ser
 85

<210> 143

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 143

Met Lys Asn Met His Val Tyr Leu Asn Tyr Asn Asn Phe Leu Leu Xaa
 1 5 10 15

Leu Leu Arg Leu Met Leu Asn Ile Cys Ser Phe Thr Gln Pro Leu Val
 20 25 30

Ala Glu Glu Glu Arg Pro Leu Thr Pro Leu

35

40

<210> 144
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 144
 Met Asp Glu Glu Arg Glu Ile Ile Ser His Gly Glu Phe Cys Asn Val
 1 5 10 15

Ser Arg Glu Arg Asp Trp Val Gly Arg Gln Ala Ser Gln Phe Val Lys
 20 25 30

Cys Lys Gly Thr Thr His Arg Thr Leu Ser Leu Thr Arg Ala Val Ser
 35 40 45

Tyr Val Val Leu Ser Pro Leu Ala Lys Asp Leu Pro Leu Leu Ala Ser
 50 55 60

Asp
 65

<210> 145
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 145
 Met Ala Ala Gly Val Asp Cys Gly Asp Gly Val Gly Ala Arg Gln His
 1 5 10 15

Val Phe Leu Val Ser Glu Tyr Leu Lys Asp Ala Ser Lys Lys Met Lys
 20 25 30

Asn Gly Leu Met Phe Val Lys Leu Val Asn Pro Cys Ser Gly Glu Gly
 35 40 45

Ala Ile Tyr Leu Phe Asn Met Cys Leu Gln Gln Leu Phe Glu Val Lys
 50 55 60

Val Phe Lys Glu Lys His His Ser Trp Phe Ile Asn Gln Ser Val Gln
 65 70 75 80

Ser Gly Gly Leu Leu His Phe Ala Thr Pro Val Asp Pro Leu Phe Leu
 85 90 95

Leu Leu His Tyr Leu Ile Lys Ala Asp Lys Glu Gly Lys Phe Gln Pro
 100 105 110

Leu Asp Gln Val Val Val Asp Asn Val Phe Pro Asn Cys Ile Leu Leu
 115 120 125

Leu Lys Leu Pro Gly Leu Glu Lys Leu Leu His His Val Thr Glu Glu
 130 135 140

Lys Gly Asn Pro Glu Ile Asp Asn Lys Lys Tyr Tyr Lys Tyr Ser Lys
145 150 155 160

Glu Lys Thr Leu Lys Trp Leu Glu Lys Lys Val Asn Gln Thr Val Ala
165 170 175

Ala Leu Lys Thr Asn Asn Val Asn Val Ser Ser Arg Val Gln Ser Thr
180 185 190

Ala Phe Phe Ser Gly Asp Gln Ala Ser Thr Asp Lys Glu Glu Asp Tyr
195 200 205

Ile Arg Tyr Ala His Gly Leu Ile Ser Asp Tyr Ile Pro Lys Glu Leu
210 215 220

Ser Asp Asp Leu Ser Lys Tyr Leu Lys Leu Pro Glu Pro Ser Ala Ser
225 230 235 240

Leu Pro Asn Pro Pro Ser Lys Lys Ile Lys Leu Ser Asp Glu Pro Val
245 250 255

Glu Ala Lys Glu Asp Tyr Thr Lys Phe Asn Thr Lys Asp Leu Lys Thr
260 265 270

Glu Lys Lys Asn Ser Lys Met Thr Ala Ala Gln Lys Ala Leu Ala Lys
275 280 285

Val Asp Lys Ser Gly Met Lys Ser Ile Asp Thr Phe Phe Gly Val Lys
290 295 300

Asn Lys Lys Lys Ile Gly Lys Val
305 310

<210> 146

<211> 58

<212> PRT

<213> Homo sapiens

<400> 146

Met Asp Lys Asn Val Thr Arg Ser Arg Thr Ile Lys Leu Val Gln Ala
1 5 10 15

Ser Trp Thr Pro Pro Phe Gln Leu Pro Ala Phe Cys Leu Met Pro Val
20 25 30

Cys Gln Trp Leu Glu Leu Gly Leu Leu Phe Arg Thr Ser Val Ala Ile
35 40 45

Leu Ile Leu Pro Trp Gly His Asn Cys Pro
50 55

<210> 147

<211> 63

<212> PRT

<213> Homo sapiens

<400> 147

Met Gly Gln Thr Glu Ala Met Gln Glu Glu Met Arg Thr Arg Thr Cys
 1 5 10 15

Thr Thr Thr Pro Gln Pro Met Glu Thr Ile Arg Gln Asn Lys Thr Arg
 20 25 30

Arg His Met Thr Arg Lys Gln Ala Trp Thr Leu Gln Lys Cys Gln Cys
 35 40 45

His Glu Arg Gln Lys Leu Gly Met Leu Phe Trp Ile Lys Gly Asp
 50 55 60

<210> 148

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals stop translation

<400> 148

Met Tyr Leu Ile His Leu Tyr Gln Val Leu Lys Tyr Leu Asp Lys Ser
 1 5 10 15

Lys Tyr Phe Val Phe Ser Phe Phe Leu Leu Ser Ile Leu Leu Thr Thr
 20 25 30

Val Lys Arg Cys Ser Ile Leu Ile Trp Ser Val Leu Arg Arg Lys Thr
 35 40 45

Met Lys Ala Glu Leu Val Cys Ala Thr Gln Ser Lys Pro Leu Leu Phe
 50 55 60

Phe Trp Lys Asp Gly Val Met Phe Phe Lys Asp Ser Asn Lys Tyr Pro
 65 70 75 80

Ala Val Ile Ser Xaa
 85

<210> 149

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 149

Met Thr Ser Tyr Ile Ile Asn Leu Ser Phe Phe Leu Pro Leu Ala Thr
 1 5 10 15

Arg Lys Val Ser Ala Lys Pro Cys Gly Xaa
20 25

<210> 150

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals stop translation

<400> 150

Met Leu Pro Leu Met Thr Tyr Ile Ile Gln Tyr Ile Tyr Thr Tyr Ile
1 5 10 15

Xaa Xaa Val Arg Val Leu Ala Ile Leu Phe Leu Arg Arg Val Leu Ser
20 25 30

Gln Thr Leu Leu His Ala Val Tyr Gly Val Ser Cys Val Leu Ile Phe
35 40 45

Xaa

<210> 151

<211> 63

<212> PRT

<213> Homo sapiens

<400> 151

Met Val Cys Gly Val Phe Cys Cys Leu Pro Leu Glu Val Leu Pro Phe
1 5 10 15

Ser Arg Pro Ile Asn Val Leu Trp Leu Leu Asn Tyr Ser Ser Thr Leu
20 25 30

Gln Cys Thr Gly Phe Pro Pro Gly Val Asn Thr Asn Gly Gly His Leu
35 40 45

Leu Val Phe Leu Glu Val Leu Gly Glu Phe Ser Asp Leu Trp Leu
50 55 60

<210> 152

<211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 152
 Met Ser Ser Gly Leu Phe Leu Val Leu Phe Cys Phe Leu Cys Val Phe
 1 5 10 15

Val Gly Phe Phe Asp Phe His Cys Trp Cys Asp Ile Leu Val Lys Ser
 20 25 30

Ser Xaa

<210> 153
 <211> 211
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (211)
 <223> Xaa equals stop translation

<400> 153
 Met Arg Cys Leu Thr Thr Pro Met Leu Leu Arg Ala Leu Ala Gln Ala
 1 5 10 15

Ala Arg Ala Gly Pro Pro Gly Gly Arg Ser Leu His Ser Ser Ala Val
 20 25 30

Ala Ala Thr Tyr Lys Tyr Val Asn Met Gln Asp Pro Glu Met Asp Met
 35 40 45

Lys Ser Val Thr Asp Arg Ala Ala Arg Thr Leu Leu Trp Thr Glu Leu
 50 55 60

Phe Arg Gly Leu Gly Met Thr Leu Ser Tyr Leu Phe Arg Glu Pro Ala
 65 70 75 80

Thr Ile Asn Tyr Pro Phe Glu Lys Gly Pro Leu Ser Pro Arg Phe Arg
 85 90 95

Gly Glu His Ala Leu Arg Arg Tyr Pro Ser Gly Glu Glu Arg Cys Ile
 100 105 110

Ala Cys Lys Leu Cys Glu Ala Ile Cys Pro Ala Gln Ala Ile Xaa Ile

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<210> 154
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals stop translation

<400> 154
Met Leu Pro Gly Leu Arg Arg Leu Leu Gln Ala Pro Ala Ser Ala Cys
 1              5              10              15

Leu Leu Leu Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro
 20              25              30

Met Leu Cys Thr Cys Tyr Ser Ser Pro Pro Thr Val Lys Leu Pro Gly
 35              40              45

Gln Gln Leu Leu Leu Cys Ala Ala Val Pro Ala Thr Gln His Ser Ala
 50              55              60

Thr Leu Pro Ala Glu Gln Pro His Pro His Ala Ala Xaa Arg His Leu
 65              70              75              80

Trp Val Gln Pro Ala His Pro Val Ala Leu Leu Gln Gln Pro Leu His
 85              90              95

His Leu Pro Gly His Phe Pro Pro Leu Ala Ser Pro Gly Gly Ser Gly
 100             105             110

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Pro Arg Xaa
115

<210> 155
<211> 227
<212> PRT
<213> Homo sapiens

<400> 155

Met Asp Phe Glu Asn Leu Phe Ser Lys Pro Pro Asn Pro Ala Leu Gly
1 5 10 15

Lys Thr Ala Thr Asp Ser Asp Glu Arg Ile Asp Asp Glu Ile Asp Thr
20 25 30

Glu Val Glu Glu Thr Gln Glu Glu Lys Ile Lys Leu Glu Cys Glu Gln
35 40 45

Ile Pro Lys Lys Phe Arg His Ser Ala Ile Ser Pro Lys Ser Ser Leu
50 55 60

His Arg Lys Ser Arg Ser Lys Asp Tyr Asp Val Tyr Ser Asp Asn Asp
65 70 75 80

Ile Cys Ser Gln Glu Ser Glu Asp Asn Phe Ala Lys Glu Leu Gln Gln
85 90 95

Tyr Ile Gln Ala Arg Glu Met Ala Asn Ala Ala Gln Pro Glu Glu Ser
100 105 110

Thr Lys Lys Glu Gly Val Lys Asp Thr Pro Gln Ala Ala Lys Gln Lys
115 120 125

Asn Lys Asn Leu Lys Ala Gly His Lys Asn Gly Lys Gln Lys Lys Met
130 135 140

Lys Arg Lys Trp Pro Gly Pro Gly Asn Lys Gly Ser Asn Ala Leu Leu
145 150 155 160

Arg Asn Ser Gly Ser Gln Glu Glu Asp Gly Lys Pro Lys Glu Lys Gln
165 170 175

Gln His Leu Ser Gln Ala Phe Ile Asn Gln His Thr Val Glu Arg Lys
180 185 190

Gly Lys Gln Ile Cys Lys Tyr Phe Leu Glu Arg Lys Cys Ile Lys Gly
195 200 205

Asp Gln Cys Lys Phe Asp His Asp Ala Glu Ile Glu Lys Lys Lys Lys
210 215 220

Lys Thr Arg
225

<210> 156
<211> 114

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<212> PRT

<213> Homo sapiens

<400> 156

Met His Gln Val Ser Thr Cys Phe Gly Pro Gly Arg Gly Leu Ala Leu
 1 5 10 15

Thr Phe Met Thr Leu His Ser Phe Arg Glu Ala Ile Thr Leu Asp Cys
 20 25 30

Asn Thr Asn Asp Arg Arg Pro Ser Gly Gln Arg Pro Pro Arg Pro Ser
 35 40 45

Ala Pro Gln Arg Arg Gly Pro Arg Gly Arg Arg Cys Pro Ser Cys Ser
 50 55 60

Pro Cys Ala Leu Ser Leu Thr Ser Pro Gly Ser Cys Leu Leu Lys Thr
 65 70 75 80

Pro Val Phe Thr Pro Tyr Lys Ala Ser Ser Glu Gln Thr Gly Arg Pro
 85 90 95

Leu Val Glu Pro Ala His Pro Val Pro Ser Ala Trp Arg Pro Gly Pro
 100 105 110

Arg Ala

<210> 157

<211> 46

<212> PRT

<213> Homo sapiens

<400> 157

Met Ser Arg Thr Asn Thr Trp Val Ser Trp Gln Ala Ser Arg Ala Asp
 1 5 10 15

Trp Pro Glu Thr Asp Pro Gln Glu Ala Leu Gln Pro Ala Leu Val Pro
 20 25 30

Ser His Ser Asp Leu Asn Pro Gly Ser Ser Arg Ser Ala Val
 35 40 45

<210> 158

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals stop translation

<400> 158

Met Leu Phe Gln Cys Gln Val Leu Leu Ser Ile Phe Ser Phe Leu Glu
 1 5 10 15

Pro Val Leu Ser Ser Gly Ser Ser Arg Leu Val Phe Tyr Asn Leu Ser
 20 25 30

Asn Ile Met Xaa
 35

<210> 159
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 159
 Met Val Phe Ser Ala Lys Ile Gly Val Arg Tyr Phe Leu Val Leu Ser
 1 5 10 15

Cys Leu Pro Asn Cys Cys Leu Pro Ala Asp Trp Trp His Ala Gln Trp
 20 25 30

Leu Trp Gly Gln Gly Xaa
 35

<210> 160
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals stop translation

<400> 160
 Met Tyr Phe Ser Leu Leu Val Leu Leu Phe Ser Pro Ser Val Leu Phe
 1 5 10 15

Leu Ala Arg Lys Lys Cys Thr Arg Asn Asn Thr Leu Asn Xaa
 20 25 30

<210> 161
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals stop translation

<400> 161

Met Val Lys Leu Ser Lys Glu Ala Lys Gln Arg Leu Gln Gln Leu Phe
1 5 10 15

Lys Gly Ser Gln Phe Ala Ile Arg Trp Gly Phe Ile Pro Leu Val Ile
20 25 30

Tyr Leu Gly Phe Lys Arg Gly Ala Asp Pro Gly Met Pro Glu Pro Thr
35 40 45

Val Leu Ser Leu Leu Trp Gly Xaa
50 55

<210> 162

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals stop translation

<400> 162

Met Leu Gly Phe Ala Phe Arg Asp Lys Arg Trp Trp Ile Tyr Phe Ala
1 5 10 15

Cys Ser Lys Asp Ser Gln Gly Val Arg Ala Ala Tyr Cys Gln Ile Leu
20 25 30

Leu Leu Phe Tyr Val Ser Val Tyr Ser Leu Ser Phe Ser Tyr Leu Leu
35 40 45

Asp His Phe Cys Ser Leu Pro Lys Pro Leu Leu Phe Gly Thr Val Ser
50 55 60

Gln Ile Pro His Phe Xaa
65 70

<210> 163

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals stop translation

<400> 163

Met Cys Ser Tyr Cys Met Pro Tyr Leu Ile Ile Phe Leu Ser Val Ile
1 5 10 15

His Asn His Lys Thr Ile Pro Leu Leu Lys Val Leu Val Asp Lys Leu
20 25 30

Asn Cys Ile Ile Thr Asp Leu Cys Ile Ser Arg Asp Asp Val Phe Pro

35

40

45

Thr Thr Cys Xaa
50

<210> 164
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals stop translation

<400> 164
Met Cys Ala Asp Asp Leu Leu Ser Val Leu Leu Tyr Leu Leu Val Lys
1 5 10 15
Thr Glu Ile Pro Asn Trp Met Ala Asn Leu Ser Tyr Ile Lys Asn Phe
20 25 30
Arg Phe Ser Ser Leu Ala Lys Asp Glu Leu Gly Ile Leu Pro Asp Leu
35 40 45
Ile Arg Xaa Cys Pro Leu Asn Ile Arg Gln Gly Ser Leu Ser Ala Lys
50 55 60
Pro Pro Glu Ser Glu Gly Phe Gly Asp Arg Leu Phe Leu Lys Gln Arg
65 70 75 80
Met Ser Leu Leu Ser Gln Met Thr Ser Ser Pro Thr Asp Cys Leu Phe
85 90 95
Lys Ala Asp Ala Leu Leu Glu Xaa
100

<210> 165
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals stop translation

<400> 165
Met Ala Arg Ile Thr Gly Pro Pro Glu Arg Asp Asp Pro Tyr Pro Val
1 5 10 15

Leu Phe Arg Tyr Leu His Ser His His Phe Leu Glu Leu Val Thr Leu
20 25 30

Leu Leu Ser Ile Pro Val Thr Ser Ala His Pro Gly Val Leu Gln Ala
35 40 45

Thr Lys Asp Val Leu Lys Phe Leu Ala Gln Ser Gln Lys Gly Leu Leu
50 55 60

Phe Phe Met Ser Glu Tyr Glu Ala Thr Ile Tyr Xaa
65 70 75

<210> 166

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 166

Met Lys Gln Thr Arg Leu Asn Pro Pro Val Val Phe Ile Leu Leu Gln
1 5 10 15

Pro Leu Ser Arg Pro Arg Asp Gly Leu Ser Asn Ser Val Leu Ile Ile
20 25 30

Leu His Ser Val Pro Xaa
35

<210> 167

<211> 272

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 167

Met Ser Ala Leu Arg Arg Ser Gly Tyr Gly Pro Ser Asp Gly Pro Ser
 1 5 10 15

Tyr Gly Arg Tyr Tyr Gly Pro Gly Gly Gly Asp Val Pro Val His Pro
 20 25 30

Pro Pro Pro Leu Tyr Pro Leu Arg Pro Glu Pro Pro Gln Pro Pro Ile
 35 40 45

Ser Trp Arg Val Arg Gly Gly Gly Pro Ala Glu Thr Thr Trp Leu Gly
 50 55 60

Glu Gly Gly Gly Gly Asp Gly Tyr Tyr Pro Ser Gly Gly Ala Trp Pro
 65 70 75 80

Glu Pro Gly Arg Ala Gly Gly Ser His Gln Ser Leu Asn Ser Tyr Thr
 85 90 95

Asn Gly Ala Tyr Gly Pro Thr Tyr Pro Pro Gly Pro Gly Ala Asn Thr
 100 105 110

Ala Phe Ile Leu Arg Gly Leu Xaa Cys Thr Trp Leu Tyr Ser Asp Gln
 115 120 125

Leu Leu His Arg Ile Pro Ser Thr Tyr Arg Ser Ser Gly Asn Ser Pro
 130 135 140

Thr Pro Val Ser Arg Trp Ile Tyr Pro Gln Gln Asp Cys Gln Thr Glu
 145 150 155 160

Ala Xaa Pro Leu Arg Gly Lys Val Pro Gly Tyr Pro Pro Ser Xaa Xaa
 165 170 175

Pro Gly Met Xaa Leu Pro His Tyr Pro Tyr Gly Asp Gly Asn Arg Ser
 180 185 190

Val Pro Gln Ser Gly Pro Thr Val Arg Pro Gln Glu Asp Ala Trp Ala
 195 200 205

Ser Pro Gly Ala Tyr Gly Met Gly Gly Arg Tyr Pro Trp Pro Ser Ser
 210 215 220

Ala Pro Ser Ala Pro Pro Gly Asn Leu Tyr Met Thr Glu Val Leu His
 225 230 235 240

His Gly Leu Ala Val Ala Leu Pro Ser His Pro Leu His Pro Gln Ser
 245 250 255

Ser Ser Pro Arg Ile Leu His Thr Pro Ile Ala Asn Gln Ile Lys Ala
 260 265 270

<210> 168
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 168
 Met Ile Leu Thr Phe Cys Val Phe Leu Leu Phe Ser Phe His Asn Ala
 1 5 10 15

Ile Lys Ser Thr Pro Phe Leu Lys Phe Xaa
 20 25

<210> 169
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 169
 Met Lys Leu Ile Tyr Tyr Cys His Leu Val Asp Ile Leu Leu Leu Gln
 1 5 10 15

Ala Ile Ile Lys Xaa Asn Ala Gly Met Xaa
 20 25

<210> 170
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 170
 Met Ile Glu Cys Pro Asp Trp Ala Arg Thr Ala Ser Leu Ala Lys Gln
 1 5 10 15

Arg Arg Lys Val Phe Lys Gln Met Leu Ser Ser Phe Leu His Phe His
 20 25 30

Phe Asn Ser Met Met Pro Leu Cys Pro Ser Asp Asp Ile Ser Pro Gly

35

40

45

Val Trp Asp Ser Ala Gly Leu Pro Cys Leu Leu Arg Arg Leu Pro Gly
50 55 60

His His Gln Ala Gly Lys Pro Gln Ser Pro Pro Ser Ser Thr Trp Asp
65 70 75 80

Pro Trp Ala Ser Ser Ile Ser Leu Thr Arg Lys Pro Val Leu Leu Leu
85 90 95

Ile Leu Gly Pro His Pro Arg Pro Ile Gln Arg Lys Thr Pro Gly Ala
100 105 110

Ala Leu Gly Ser Leu Cys Phe His Gln Ile Cys Val Lys Thr Gln Met
115 120 125

Asn Gln Pro Arg
130

<210> 171

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

<400> 171

Met Arg Ala Thr Ile Val Arg Pro Tyr Cys Gln Glu Gly Gly Phe Trp
1 5 10 15

Leu Leu Ala Leu Val Tyr Lys Gly Ala Arg Ala Ala Pro Leu Asp Tyr
20 25 30

Ser Trp Glu Asp Ser Asp Ala Gly Arg Leu Leu Leu Pro Trp Val Thr
35 40 45

Ser Ser Leu Leu Ala Asp Ile Trp Gly Phe Asp Pro Phe Phe Phe Asn
50 55 60

Leu Leu Leu Leu Arg Cys Ile Xaa
65 70

<210> 172

<211> 75

<212> PRT

<213> Homo sapiens

<400> 172

Met Phe Tyr Val Tyr Asp His Ser Met Tyr Val Asp Thr His Thr His
1 5 10 15

Thr His Val Pro Ser Leu Tyr Thr Asn Gly Asn Ile Leu Lys Ile Leu

20 25 30

Phe Cys Thr Phe Thr Val Gln Val Pro Tyr Ser Pro Leu Ser Thr Trp
 35 40 45

Gln Arg Pro Lys Pro Val Lys Gly Arg Val Ser Thr Trp Pro Pro Ser
 50 55 60

Ser Met Ser Ser Ala Arg Ser Pro Gln Gly Pro
 65 70 75

<210> 173
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals stop translation

<400> 173
 Met Ala Leu Leu Val Leu Thr Leu Tyr Cys Ile Leu Phe Leu Lys Ile
 1 5 10 15

Tyr Met Pro Val Pro Ser His Cys Glu Gln Phe Lys Gly Arg Asn Xaa
 20 25 30

<210> 174
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals stop translation

<400> 174
 Met Gln Asn Asp Gly Leu Lys Phe Met Glu Met Val Leu His Val Leu
 1 5 10 15

Gln Ala Ser Ile Gly Val Leu Leu Leu Met Val Asp Val Leu Glu His
 20 25 30

Phe Leu Ala Met Leu Ile Gly Asn Ala Gly Ala Pro Leu Pro Leu Leu
 35 40 45

Asp Val Leu Gly Lys Asp Val Ile Asp Val Ala Glu Arg Arg Glu Ser
 50 55 60

Lys Lys Xaa
 65

<210> 175
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 175
 Met Gln Trp Gly Glu Gly Ala Gly Pro Ser Trp Val Tyr Ile Leu Ser
 1 5 10 15
 Trp Asp Ser Arg Ala Ser Leu Cys Met Cys Ala Ala Ser Arg Tyr Leu
 20 25 30
 Cys Thr Gly Thr Asp Pro Pro Thr Arg Gly Asp Thr Ser Thr Pro His
 35 40 45
 Lys Ala Ile Leu Pro Leu Asp Pro Cys Pro Gln Ile Ser Arg Thr Ala
 50 55 60
 Arg Ala Glu Phe Leu Gln Pro Gly Gly Ser Thr Ser Ser Arg Ala Ala
 65 70 75 80
 Ala Thr Ala Val Glu Leu Gln Leu Leu Phe Pro Leu Val Arg Val Asn
 85 90 95
 Phe Glu Leu Gly Val Ile Met Val Ile Ala Val Ser Cys Val Lys Leu
 100 105 110
 Leu Ser Ala His Asn Ser Thr Gln His Thr Ser Arg Lys His Lys Val
 115 120 125

<210> 176
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 176
 Met Gly Ser Val Trp Asn Cys Leu Leu Ala Leu Leu Glu Lys His Leu
 1 5 10 15
 Ile Thr Leu Tyr Lys Leu Ile Ile Thr Val Leu Leu Asp Leu Leu Ser
 20 25 30
 Ala Arg His Lys Cys Phe Thr Ser Val Asn Ser Phe Asn Xaa
 35 40 45

<210> 177

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<211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 177
 Met Asn Ser Thr Cys Gly Phe Val Thr Ser Ile Asn Gln Ile Phe Leu
 1 5 10 15
 Ile Ile Leu Trp Xaa Leu Tyr Leu Pro Leu Leu Thr Thr Thr Leu Glu
 20 25 30
 Ile Trp Glu Leu Leu Xaa Leu Leu His Xaa
 35 40

<210> 178
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals stop translation

<400> 178
 Met Cys Gly Gly His Ala Ile Asn Val Gly Pro Phe Thr Val Ala Gly
 1 5 10 15
 Arg Gly Arg Asn Leu Gln Phe Leu Arg Val Leu Leu Leu Arg Cys Pro
 20 25 30
 Pro Val Leu Gly His Ser Cys Ser Xaa Pro Cys Pro Ala Trp Ser His
 35 40 45
 Pro Pro Ser Ala Asn Arg Ser Leu Gly Arg Val Leu Trp Ala Leu Ile
 50 55 60

Arg Pro Trp Gln Gly Arg Ser Ser Xaa
65 70

<210> 179
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals stop translation

<400> 179
Met Val Leu Pro Arg Ile Leu Val Leu Met Leu Phe Leu Ala Leu Lys
1 5 10 15

Asn Pro Val Gly Glu Met Arg Asn Leu Thr His Cys Arg Cys Xaa
20 25 30

<210> 180
<211> 72
<212> PRT
<213> Homo sapiens

<400> 180
Met Asp Thr Arg Gly Val Val Leu Arg Ser Gly Glu Phe Asn Arg Gln
1 5 10 15

Glu Gly Arg Glu Lys Thr Glu Gly Arg Ser Ser Ser Ile Trp Arg Gln
20 25 30

Arg Glu Gly Gly Ser Lys Ala Lys Arg Gly Gly Pro Gln Val Gln Trp
35 40 45

Thr Pro Ala Lys Tyr Ile Cys Arg Gly Trp Lys Gly Arg Cys Leu Ile
50 55 60

Tyr Ile Gly Leu Arg Gly Leu Val
65 70

<210> 181
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals stop translation

<400> 181

Met Pro His Ile Phe Val Ser Gly Asn Phe Ser Leu Leu Ala Leu Phe
 1 5 10 15

Leu Leu Ser Ala Asn Phe Ile Val Glu Val Gln Ser Trp Leu Leu Leu
 20 25 30

Leu Leu Phe Phe Ile Xaa Leu Gly Arg Ser Tyr Asn Phe Tyr Leu Leu
 35 40 45

Cys Asp Ser Ile Ile Phe Xaa
 50 55

<210> 182

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals stop translation

<400> 182

Met His Asn Leu Ile Ser Ser Ile Ile Ser Phe Leu Tyr Asn Phe Cys
 1 5 10 15

Ala Leu Pro Leu Ala Ser Pro Gln Phe Thr Asn Glu Glu Ser Ser Tyr
 20 25 30

Thr Ala Leu Arg Ser Cys Thr Arg Gly Gly Phe Glu Ser Arg Ser Leu
 35 40 45

Gly Thr Gln Lys Ser Cys Thr Phe Gln Gly Lys Gly Asp Tyr His Val
 50 55 60

Thr Ala Xaa
 65

<210> 183

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals stop translation

<400> 183

Met Thr Thr Leu Phe Glu Thr Asp Arg Cys Leu Leu Phe Leu Val Met
 1 5 10 15

Ser Arg Phe Gly Phe Lys Ser Arg Leu Glu Ala Thr Ser Cys Lys Gln
 20 25 30

Thr Glu Val Lys Gly Leu Leu Gly Leu Leu Glu Glu Leu Ala Trp Asn
65 70 75 80

Val Ser Thr Pro Ala Gly Lys Ile Gly Leu Ala Val Cys Tyr Asp Met
20 25 30

Arg Phe Pro Glu Leu Ser Leu Ala Leu Ala Gln Ala Gly Ala Glu Ile
35 40 45

Leu Thr Tyr Pro Ser Ala Phe Gly Ser Ile Thr Gly Pro Ala His Trp
50 55 60

Glu Val Leu Leu Arg Ala Arg Ala Ile Glu Thr Gln Cys Tyr Val Val
65 70 75 80

Ala Ala Ala Gln Cys Gly Arg His His Glu Lys Arg Ala Ser Tyr Gly
85 90 95

His Ser Met Val Val Asp Pro Trp Gly Thr Val Val Ala Arg Cys Ser
100 105 110

Glu Gly Pro Gly Leu Cys Leu Ala Arg Ile Asp Leu Asn Tyr Leu Arg
115 120 125

Gln Leu Arg Arg His Leu Pro Val Phe Gln His Arg Arg Pro Asp Leu
130 135 140

Tyr Gly Asn Leu Gly His Pro Leu Ser
145 150

<210> 189

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals stop translation

<400> 189

Met Asn Ile Leu Met Phe Ala Phe Met Ile Ile Phe Met Gly Ala Lys
1 5 10 15

Phe Gln Glu Val Glu Phe Trp Val Arg Gly Tyr Asp His Leu Lys Ala
20 25 30

Thr Leu Phe Asp Gln Ile Gly Arg Tyr Leu Lys Met Gly Gly Gln Glu
35 40 45

Pro Leu Leu Ala Lys Val Trp Val Arg Gly Thr Xaa
50 55 60

<210> 190

<211> 108

<212> PRT

<213> Homo sapiens

<400> 190

Met Ser Ser Val Ser Leu Ser Ala Ser Ser Ser Ser Ser Lys Val
1 5 10 15

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Pro Arg Val Arg Ile Lys Ser Glu Gly Cys Ser Thr Gly Asp Lys Leu
 20 25 30

Ser Leu Ala Val Pro Ala Ser Lys Ala Thr Glu Pro Ile Ser Phe Arg
 35 40 45

Arg Arg Ser Ser Cys Ser Leu Cys Cys Trp Leu Ser Ala Leu Ala Ser
 50 55 60

Asp Phe Phe Arg Arg Ser Tyr Ser Gly Arg Tyr Ser Leu Ser Tyr Ser
 65 70 75 80

Ser Ala Ala Leu Val Thr Cys Thr Lys Ser Ser Ser Asn Pro Val Pro
 85 90 95

Arg Thr Ala Glu Thr Pro Thr Thr Leu Ser Glu Leu
 100 105

<210> 191
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals stop translation

<400> 191
 Met Ser Ile Thr Leu Ile Gln Leu Met Phe Tyr Phe Asn Thr Pro Glu
 1 5 10 15

Leu Pro His Lys Thr Ser Phe His Val Lys Gly Ser Arg Xaa
 20 25 30

<210> 192
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals stop translation

<400> 192
 Met Ser Leu Leu Phe Leu Lys Val His Leu Phe Ser Pro Ser Thr
 1 5 10 15

Ile Phe Lys Arg Asn Asn Xaa
 20

<210> 193
 <211> 106

<212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (106)
 <223> Xaa equals stop translation

 <400> 193
 Met Gly Pro Ala Leu Met Val Ala Ser Leu Cys Leu Gly Gly Pro Ala
 1 5 10 15

 Pro Ala Val Gly Ala Ile Thr Pro Ser Pro Phe Ile Thr Ser Leu Arg
 20 25 30

 Trp Ala Pro Ser Pro Ala Gly Cys Leu Pro Ser Gly Asn Ser Arg Thr
 35 40 45

 Leu Arg Asp Thr Arg Ala Ala Trp Pro Arg Gly Ala Thr Ala Arg Pro
 50 55 60

 Pro Gly Gly Gln Pro Trp Arg Glu Leu Arg Pro Thr Tyr Ser Gly Val
 65 70 75 80

 Trp Glu Pro Cys Leu Tyr Leu Gly Xaa Ser Pro Ser Gln Leu Pro Pro
 85 90 95

 Cys Val Phe Pro Pro Ala Lys Val Gly Xaa
 100 105

 <210> 194
 <211> 54
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (54)
 <223> Xaa equals stop translation

 <400> 194
 Met Lys Val Gln Ser Phe Tyr Lys Thr Leu Ile Pro Leu Leu Thr Ile
 1 5 10 15

 Phe Met Met Val Ala Leu Val Asn Phe Thr Gly Lys Lys Asn Ser Gln
 20 25 30

 Asn Tyr Pro Ala Gly Asn Ile Ser Ser Leu Pro Lys Asp Lys Thr Val
 35 40 45

 Lys Thr Arg Leu Gly Xaa
 50

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<210> 197
<211> 126
<212> PRT
<213> Homo sapiens
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<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals stop translation

<400> 197

Met Ala Phe Asn Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala
 1 5 10 15

Pro Pro Gln Pro Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala
 20 25 30

Ala Gly Val Gly Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val
 35 40 45

Ala Gly Ala Leu Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly
 50 55 60

Phe Ser Ala Phe Gln Ala Glu Asp Asp Ala Asp Asp Phe Ser Pro
 65 70 75 80

Trp Gln Glu Gly Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val
 85 90 95

Phe Gly Ser Asp Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu
 100 105 110

Glu Asp Phe Pro Asp Thr Gln Arg Ile Leu Thr Val Lys Xaa
 115 120 125

<210> 198

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 198

Met Leu Val Glu Lys Ile Leu Leu Ile Glu Cys Leu Ser Ser Glu Ser
 1 5 10 15

Gln Leu Ile Gly Phe Leu Leu Xaa
 20

<210> 199

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals stop translation

<400> 199

Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr Thr Phe
 1 5 10 15

Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala Lys Val
 20 25 30

Phe Phe Phe Lys Ala Leu Leu Thr Gly Asp Phe Ser Gln Ala Gly
 35 40 45

Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly Asp Tyr
 50 55 60

Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser Asp Leu
 65 70 75 80

Xaa

<210> 200

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals stop translation

<400> 200

Met Leu Thr Phe Leu Ile Phe Leu Phe Pro Glu Val Val Leu Gly Leu
 1 5 10 15

Leu Arg Asp Tyr Ser Ser Xaa
 20

<210> 201

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals stop translation

<400> 201

Met His Val Tyr Leu Asn Tyr Lys Xaa
 1 5

<210> 202

<211> 11

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals stop translation
 <400> 202
 Met Val Glu Ser Asn Leu Pro Gly Pro Ala Xaa
 1 5 10

<210> 203
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 203
 Thr Phe Lys Ser Leu Trp Lys His Trp Thr Leu Ala Gly Pro Gly Asn
 1 5 10 15
 Ile Gly Lys Asn Trp Ile Gly Arg
 20

<210> 204
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 204
 His Glu Gly Thr Trp Arg Trp Glu Ala Pro Thr Pro Leu Gln Ser Leu
 1 5 10 15
 Gly Pro Thr Thr Pro Ser Leu Pro Ser Val Ala Asp Leu Cys Gln Asp
 20 25 30
 Gly His Gly Gly Cys Ser Glu His Ala Asn Cys Ser Gln Val Gly Thr
 35 40 45

<210> 205
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 205
 Leu Lys Val Pro Thr Cys Tyr Ser Ala Asn Thr
 1 5 10

<210> 206
 <211> 42
 <212> PRT
 <213> Homo sapiens

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<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 206
 Trp Gln Val Pro Ala Pro Val Ile Pro Gly Xaa Asp Pro Arg Val Arg
 1 5 10 15

 Gly Ala Arg Lys Arg Thr Leu Leu Gly Val Ala Gly Gly Trp Arg Arg
 20 25 30

 Phe Glu Arg Leu Trp Ala Gly Ser Leu Ser
 35 40

 <210> 207
 <211> 41
 <212> PRT
 <213> Homo sapiens

 <400> 207
 Ser Arg Ser Leu Ala Leu Ala Ala Ala Pro Ser Ser Asn Gly Ser Pro
 1 5 10 15

 Trp Arg Leu Leu Gly Ala Leu Cys Leu Gln Arg Pro Pro Val Val Ser
 20 25 30

 Lys Pro Leu Thr Pro Leu Gln Glu Glu
 35 40

 <210> 208
 <211> 41
 <212> PRT
 <213> Homo sapiens

 <400> 208
 Met Glu Glu Glu Ala Tyr Ser Lys Gly Phe Gln Glu Gly Leu Lys Lys
 1 5 10 15

 Thr Lys Glu Leu Gln Asp Leu Lys Glu Glu Glu Glu Glu Gln Lys Ser
 20 25 30

 Glu Ser Pro Glu Glu Pro Glu Glu Val
 35 40

 <210> 209
 <211> 37
 <212> PRT
 <213> Homo sapiens

 <400> 209
 Glu Glu Thr Glu Glu Glu Glu Lys Gly Pro Arg Ser Ser Lys Leu Glu
 1 5 10 15

 Glu Leu Val His Phe Leu Gln Val Met Tyr Pro Lys Leu Cys Gln His

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30

Gln Phe Gly Phe
20

<210> 214
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 214
 Pro Thr Arg Gly Gly Ser Leu Cys Ala Cys Pro Gly Trp Gly Leu Pro
 1 5 10 15
 Ser Arg Leu Gly Leu Ser Leu Arg Phe Ser Ser Ser Pro Leu Arg Leu
 20 25 30
 Pro Ser Arg Arg Leu Arg Glu Asn Ser Ala Leu Arg Leu Ser Lys Ala
 35 40 45
 Pro Gly Lys
 50

<210> 215
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 215
 Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu
 1 5 10

<210> 216
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 216
 Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu
 1 5 10

<210> 217
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 217
 Gly Ala Ser Ser Arg Pro Arg Leu Glu Leu Gly Arg Leu Met Gly Pro
 1 5 10 15

Lys Gly Val Ala Val Asp Arg Asn Xaa His Ile Ile Val Val Asp Asn
 20 25 30

Lys Ser Cys Cys Val Phe Thr Phe Gln Pro Asn Gly
 35 40

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<210> 218
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 218
 Lys Leu Val Gly Arg Phe Gly Gly Arg Gly Ala Thr Asp Arg His Phe
 1 5 10 15
 Ala Gly Pro His Phe Val Ala Val Asn Asn Lys Asn Glu Ile Val Val
 20 25 30
 Thr Asp Phe His Asn His Ser Val Lys Val Tyr Ser
 35 40

<210> 219
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 219
 Ala Asp Gly Glu Phe Leu Phe Lys Phe Gly Ser His Gly Glu Gly Asn
 1 5 10 15
 Gly Gln Phe Asn Ala Pro Thr Gly Val Ala Val Asp Ser Asn Gly Asn
 20 25 30
 Ile Ile Val Ala Asp Trp Gly Asn Ser Arg
 35 40

<210> 220
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 220
 Ile Xaa Gly Ile Arg Xaa Leu Trp Leu Leu Pro Val Leu Tyr Gln His
 1 5 10 15
 Ile Cys Arg Thr Thr Val Trp Ser Thr Gly Pro Gly Thr Asp Leu Gly
 20 25 30
 Trp Pro Cys Gly Gly Gly
 35

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<210> 221
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr Glu Leu Gly
 1 5 10 15

<210> 222
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 222
 Arg Pro Thr Arg Pro Pro Asp Gly Cys His Pro Ser Cys Cys Arg Met
 1 5 10 15

Glu Ala Ala Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr
 20 25 30

Glu Leu Gly Ile
 35

<210> 223
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 223
 Glu Cys Gln Glu Tyr Glu Ile Leu Glu His Cys Trp Trp Glu Cys Lys
 1 5 10 15

Leu Val Gln Pro Phe Trp Lys Ser Ser Cys Arg Ile Pro Ala Ala Arg
 20 25 30

Gly Ile His
 35

<210> 224
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 224
 His Cys Trp Trp Glu Cys Lys Leu Val Gln Pro Phe Trp Lys Ser
 1 5 10 15

<210> 225

<211> 6
 <212> PRT
 <213> Homo sapiens

<400> 225
 Phe Thr Phe Pro Pro Thr
 1 5

<210> 226
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 226
 His His His Leu Arg Val Gly Ser Pro Trp Ser His Pro Glu Thr Gly-
 1 5 10 15

Thr Ala Val His Gly Ala His Pro Gln Gly Glu Ala Ala Ser Asp Arg
 20 25 30

His Arg Gly Cys Phe Tyr Arg Arg Gln Leu Met His Gln Leu Pro
 35 40 45

Ile Tyr Asp Gln Asp Pro Ser Arg Cys Arg Gly Leu Leu Glu Asn Glu
 50 55 60

Leu Lys Leu Met Glu Glu Phe Val Lys Gln Tyr Lys Ser Glu Ala Leu
 65 70 75 80

Gly Val Gly Glu Val Ala Leu Pro Gly Xaa Gly Trp Leu Ala Lys Glu
 85 90 95

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Val Val His Gln Val Gly Gly Val Cys Val Cys Val Met Trp Asn Met
35 40 45

Ala Val Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe
50 55 60

Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met Ala Arg Thr
65 70 75 80

Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu Val Ser Val
85 90 95

Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met Met Ala Gln
100 105 110

Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly Asn Tyr Gly
115 120 125

Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro Ile Ala Val
130 135 140

Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr Glu Ala Pro Ala
145 150 155 160

Ala Glu Ala

<210> 231

<211> 8

<212> PRT

<213> Homo sapiens

<400> 231

Tyr Phe Leu Phe Ala Pro Thr Leu
1 5

<210> 232

<211> 16

<212> PRT

<213> Homo sapiens

<400> 232

Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe Tyr Lys
1 5 10 15

<210> 233

<211> 16

<212> PRT

<213> Homo sapiens

<400> 233

Gln Gly Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly
1 5 10 15

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<210> 234
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 234
 Leu Tyr Tyr Phe Leu Phe Ala Pro Thr Leu Cys Tyr Glu Leu Asn Phe
 1 5 10 15

Pro

<210> 235
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 235
 Glu Met Leu Phe Phe Thr Gln Leu Gln Val Gly Leu Ile Gln Gln Trp
 1 5 10 15

Met Val Pro Thr Ile Gln Asn Ser Met Lys
 20 25

<210> 236
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 236
 Val Thr Tyr Phe Trp Gln Asn Trp Asn Ile Pro Val His Lys Trp Cys
 1 5 10 15

Ile Arg

<210> 237
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 237
 Pro Phe Lys Asp Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys
 1 5 10 15

Leu Ala Val Pro Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu
 20 25 30

Phe His Ser Cys Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp
 35 40 45

Arg Glu Phe Tyr Arg Asp Trp Trp Asn Ser Glu Ser

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50

55

60

<210> 238
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 238
 Arg His Phe Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met
 1 5 10 15
 Ala Arg Thr Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu
 20 25 30
 Val Ser Val Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met
 35 40 45

<210> 239
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 239
 Met Ala Gln Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly
 1 5 10 15
 Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro
 20 25 30
 Ile Ala Val Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr
 35 40 45

<210> 240
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 240
 Ser Gly Xaa Trp Gln Gly Leu Asp Glu Val Val Arg Leu Leu Asn Xaa
 1 5 10 15

Ser Asp Phe Ala Phe Thr Asp

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<210> 241
<211> 61
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 241
Gly Ser Leu Ala Lys Arg, Ser Asn Phe Arg Ala Ile Ser Lys Lys Leu
1 5 10 15

Asn Leu Ile Pro Arg Val Asp Gly Glu Tyr Asp Leu Lys Val Pro Arg
20 25 30

Asp Met Ala Tyr Val Phe Xaa Gly Ala Tyr Val Pro Leu Ser Cys Arg
35 40 45

Ile Ile Glu Gln Val Leu Glu Arg Arg Xaa Ala Gly Pro
50 55 60

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<210> 242
<211> 194
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids -
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<400> 242
Glu Val Ile Asn Thr Leu Ala Asp His Arg His Arg Gly Thr Asp Phe
1 5 10 15

Gly Gly Ser Pro Trp Leu Leu Ile Ile Thr Val Phe Leu Arg Ser Tyr
20 25 30

Lys Phe Ala Ile Ser Leu Cys Thr Ser Tyr Leu Cys Val Ser Phe Leu
35 40 45

Lys Thr Ile Phe Pro Ser Gln Asn Gly His Asp Gly Ser Thr Asp Val
50 55 60

Gln Gln Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys
65 70 75 80

Ile Val Leu Glu Asp Ile Phe Thr Leu Trp Arg Gln Val Glu Thr Lys
85 90 95

Val Arg Ala Lys Ile Arg Lys Met Lys Val Thr Thr Lys Val Asn Arg
100 105 110

His Asp Lys Ile Asn Gly Lys Arg Lys Thr Ala Lys Glu His Leu Arg
115 120 125

Lys Leu Ser Met Lys Glu Arg Glu His Gly Glu Lys Glu Arg Gln Val
130 135 140

Ser Glu Ala Glu Glu Asn Gly Lys Leu Asp Met Lys Glu Ile His Thr
145 150 155 160

Tyr Met Glu Met Phe Gln Arg Ala Gln Val Cys Gly Gly Gly Gln Arg
165 170 175

Thr Thr Thr Asp Ala Lys Ser Pro Leu Leu Gln Glu Ser Leu Phe Ala
180 185 190

Thr Gly

<210> 243

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 243

Ile Cys Val Lys Thr Phe Pro Pro Leu Ala Leu Gln Val Arg Met Ala
1 5 10 15

Ala Xaa Glu His Arg His Ser Ser Gly Leu Pro Xaa Trp Pro Tyr Leu
20 25 30

Thr Ala Glu Thr Leu Lys Asn Arg Met Gly His Gln Pro Pro Pro Pro

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35

40

45

Thr Gln Gln His Ser Ile Xaa Asp Asn Ser Leu Ser Leu Lys Thr Pro
 50 55 60

Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro Ser Ala Asp Asp Asn Leu
 65 70 75 80

Lys Thr Pro Xaa Glu Cys Leu Leu Thr Pro Leu Pro Pro Ser Ala Pro
 85 90 95

Pro Ser Ala Asp Asp Asn Leu Lys Thr Pro Pro Glu Cys Val Cys Ser
 100 105 110

Leu Pro Phe His Pro Gln Leu His Pro Gln Arg Met Ile Ile Ser Arg
 115 120 125

His Leu Pro Ser Val Ser Ala His Ser Pro Ser Thr Leu Ser Gly
 130 135 140

<210> 244

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 244

Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys Ile Val
 1 5 10 15

Leu Glu Asp Ile
 20

<210> 245

<211> 16

<212> PRT

<213> Homo sapiens

<400> 245

Leu Ser Leu Lys Thr Pro Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro
 1 5 10 15

<210> 246

<211> 27

<212> PRT

<213> Homo sapiens

<400> 246

Phe Leu Leu Ile Glu Ser Tyr Gln Lys Leu Arg Asn Lys Thr Asn Leu
 1 5 10 15

Ser Leu His Val Phe Leu Phe His Thr Glu Val
 20 25

<210> 247

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 247

Tyr Ala Leu Arg Thr Gly Ala Phe Glu Pro Ala Glu Ala Ser Val Asn
 1 5 10 15

Pro Gln Asp Leu Gln Gly Ser Leu Gln Glu Leu Lys Glu Arg Ala Leu
 20 25 30

Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly Pro Glu Arg Leu Val Ser
 35 40 45

Gly Ser Asp Asp Phe Thr Leu Phe Leu Trp Ser Pro Ala Glu Xaa Lys
 50 55 60

Lys Pro Leu Thr Arg Met Thr Gly His Gln Ala Leu Ile Asn Gln Val
 65 70 75 80

Leu Phe Ser Pro Asp Ser Arg Ile Val Ala Ser Ala Ser Phe Asp Lys
 85 90 95

Ser Ile Lys Leu Trp Asp Gly Arg Thr Gly Lys Tyr Leu Ala Ser Leu
 100 105 110

Arg Gly His Val Ala Ala Val Tyr Gln Ile Ala Trp Ser Ala Asp Ser
 115 120 125

Arg Leu Leu Val Ser Gly Ser Ser Xaa Gln His Thr Glu Gly Val Gly
 130 135 140

Cys Glu Gly Pro Glu Ala Gly His Gly Pro Ala Arg Pro Arg Gly
 145 150 155

<210> 248

<211> 21

<212> PRT

<213> Homo sapiens

<400> 248

Leu Lys Glu Arg Ala Leu Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly
 1 5 10 15

Pro Glu Arg Leu Val
 20

<210> 249

<211> 137

<212> PRT

<213> Homo sapiens

<400> 249

Met Pro Thr Pro Ser Met Arg Ala Asn Arg Met Pro Pro Ile Ile Ala
 1 5 10 15

Glu Pro Thr Met Ala Ser Gly Pro Leu Arg Ala Ala Ser Thr Ala Pro
 20 25 30

Val Asn Ala Pro Leu Val Ile Glu Phe Gln Gly Ser Ser Leu Pro Arg
 35 40 45

Ser Arg Thr Arg Pro Gln Ser Met Val Glu Asn Arg Pro Pro His Thr
 50 55 60

Ala Lys Leu Pro Pro Ile Trp Gly Ala Arg Ile Leu Thr Ala Leu Ala
 65 70 75 80

Leu Pro Leu Asn Arg Cys Arg Ile Pro Thr Gly Ala Leu Arg Lys Pro
 85 90 95

Leu Met Ala Trp Lys Thr Pro Pro Pro Met Thr Pro Ile Val Lys Ala
 100 105 110

Pro Pro Gln Ser Ser Thr Ile Arg His Gly Gln Gly Ser Arg Ala Tyr
 115 120 125

Ser Gly Arg Val Gly Gly Arg Val Gly
 130 135

<210> 250

<211> 25

<212> PRT

<213> Homo sapiens

<400> 250

Gly Ala Arg Ile Leu Thr Ala Leu Ala Leu Pro Leu Asn Arg Cys Arg
 1 5 10 15

Ile Pro Thr Gly Ala Leu Arg Lys Pro
 20 25

<210> 251

<211> 38

<212> PRT
<213> Homo sapiens

<400> 251
Pro Thr Arg Pro Pro Thr Arg Pro Glu Tyr Ala Arg Glu Pro Cys Pro
1 5 10 15
Trp Arg Ile Val Asp Asp Cys Gly Gly Ala Phe Thr Met Gly Val Ile
20 25 30
Gly Gly Gly Val Phe Gln
35

<210> 252
<211> 39
<212> PRT
<213> Homo sapiens

<400> 252
Ala Ile Lys Gly Phe Arg Asn Ala Pro Val Gly Ile Arg His Arg Leu
1 5 10 15
Arg Gly Ser Ala Asn Ala Val Arg Ile Arg Ala Pro Gln Ile Gly Gly
20 25 30
Ser Phe Ala Val Trp Gly Gly
35

<210> 253
<211> 40
<212> PRT
<213> Homo sapiens

<400> 253
Leu Phe Ser Thr Ile Asp Cys Gly Leu Val Arg Leu Arg Gly Lys Glu
1 5 10 15
Asp Pro Trp Asn Ser Ile Thr Ser Gly Ala Leu Thr Gly Ala Val Leu
20 25 30
Ala Ala Arg Ser Gly Pro Leu Ala
35 40

<210> 254
<211> 38
<212> PRT
<213> Homo sapiens

<400> 254
Ile Arg His Glu Arg Lys Ser Ala Arg Ala Cys Cys Pro Leu Thr Gly
1 5 10 15
Ala Gln Arg Arg Gly Gln Ala Leu Pro Thr Pro Arg Ala Gly Pro Gly
20 25 30

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His Ser Pro Ala Pro Val
35

<210> 255
<211> 38
<212> PRT
<213> Homo sapiens

<400> 255
Ala Pro Ser Ala Pro Gln Glu Asp Gly Gly Ser Pro Pro Ala Pro Gln
1 5 10 15

Gly Gln Pro Asp Pro Gly Pro Gly Ala Gly Gln Pro Ala Gln Leu Gly
20 25 30

Pro Leu Leu Ala Phe Leu
35

<210> 256
<211> 44
<212> PRT
<213> Homo sapiens

<400> 256
Pro Leu Leu His Gln Asp Cys Lys Glu Ser Pro His Leu Gly Ser Ser
1 5 10 15

Gly Ser Pro Val Gln Ala Leu Asp Leu Ser Ser Ile Gln Thr Arg Thr
20 25 30

Ala Val Ser Cys Val Asp Gly Val Arg Leu Trp Ala
35 40

<210> 257
<211> 15
<212> PRT
<213> Homo sapiens

<400> 257
His Arg Leu Gln Val Phe Ser Phe Pro Ile Leu Gly Ser His Asn
1 5 10 15

<210> 258
<211> 52
<212> PRT
<213> Homo sapiens

<400> 258
Gly Lys Val Glu Ile Glu Val Phe Ile Phe Pro Tyr Glu Tyr Pro Val
1 5 10 15

Val Pro Thr Pro Leu Ile Lys Asn Thr Ile Leu Tyr Pro Leu Ser Leu
20 25 30

Phe Cys Thr Phe Ile Lys Asn Gln Phe Ser Ile Tyr Leu Trp Ile Lys
35 40 45

Phe Phe Ile Phe
50

<210> 259
<211> 14
<212> PRT
<213> Homo sapiens

<400> 259
Arg Ala Thr Thr His Val Ser Arg Glu Phe Phe Gly His Thr
1 5 10

<210> 260
<211> 41
<212> PRT
<213> Homo sapiens

<400> 260
Thr Leu Phe Ser Met Phe Ser Gly Pro Leu Gly Arg Gln Thr Gln Leu
1 5 10 15

Asp Phe Arg Ala Asp Ile Gly Glu Glu Asn Met Ala Leu Ser Val Leu
20 25 30

Ser Pro Asp Lys Cys Tyr Leu Tyr Thr
35 40

<210> 261
<211> 46
<212> PRT
<213> Homo sapiens

<400> 261
His Pro Asn Leu Lys Arg Lys Cys Ile Ser Leu Gly Phe Lys His Cys
1 5 10 15

Asn Arg Tyr Lys Ala Lys Ile Lys Thr Cys Cys Lys Val Gln Lys Lys
20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Arg
35 40 45

<210> 262
<211> 13
<212> PRT
<213> Homo sapiens

<400> 262
His Ser Gly Val Gln Thr Ile Ala Phe Gly Leu Glu Cys
1 5 10

<210> 263
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 263
 Lys Val Gln Asp Arg Asp Gly Lys Glu Arg Arg Lys Gln Glu Glu Val
 1 5 10 15
 Lys Leu Gly Arg Trp Cys Gln Trp His
 20 25

<210> 264
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 264
 Ala Cys Gly Ala Pro Glu Glu Ala Gly Gly
 1 5 10

<210> 265
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 265
 Leu Phe Ser Ser Phe Leu Gly Asp Thr Thr Val His Lys Val Leu Ser
 1 5 10 15
 Arg Ala Thr Leu His Leu His Pro Ala Pro Tyr Leu Thr Gly Val Asp
 20 25 30

Ser Tyr Ser
 35

<210> 266
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 266
 Asp Phe Ser Ser Tyr Ser His Pro Ser Leu Gly Thr Gln Leu Ser Ile
 1 5 10 15
 Arg Cys Tyr Pro Glu Pro His Cys Ile Cys Thr Gln His His Thr Ser
 20 25 30

Gln Glu Ser Thr Pro Thr Leu
 35

<210> 267
 <211> 38

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<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 267
 Ala Pro Gln Lys Phe Pro Xaa Gly Phe Phe Phe Phe Leu Phe Ser
 1 5 10 15

Arg Arg Lys Lys Gln Cys Ser Lys Val Val Gln Asn Thr Gly Ala Gly
 20 25 30

Ala Ile Gln Thr Gln Val
 35

<210> 268
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 268
 Gln Leu Leu Thr Ser Pro Thr Phe Ser Thr Val Leu Ser Asn Tyr Thr
 1 5 10 15

Cys Gln Ala Pro Ser Gln Trp Thr Asp Trp Gln Ala Leu Leu Pro Thr
 20 25 30

Gly Ile Gln Thr Glu His
 35

<210> 269
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 269
 His Gln Gly Trp Asp Lys Gln Lys Gln Cys Lys Arg Lys Cys Glu His
 1 5 10 15

Glu His Ala Pro Leu His His Asn Leu Trp Lys Gln Ser Gly Lys Thr
 20 25 30

Arg Leu Gly Asp
 35

<210> 270
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 270
 Lys His Val Ile Phe Phe Met Phe Ile Ser Asn Leu Phe Leu Ile Leu

1 5 10 15

Cys Phe Leu Phe Arg Pro Thr Lys Thr Thr Val
20 25

<210> 271
<211> 11
<212> PRT
<213> Homo sapiens

<400> 271
Asp Lys Leu Leu Ser Phe His Leu Val Ser Ile
1 5 10

<210> 272
<211> 14
<212> PRT
<213> Homo sapiens

<400> 272
Lys Trp Lys Gly Asp Leu His Cys Ile Leu Gly Leu Leu Ala
1 5 10

<210> 273
<211> 10
<212> PRT
<213> Homo sapiens

<400> 273
Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
1 5 10

<210> 274
<211> 39
<212> PRT
<213> Homo sapiens

<400> 274
Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
20 25 30

His Gln Ile Lys Thr Ser Pro
35

<210> 275
<211> 38
<212> PRT
<213> Homo sapiens

<400> 275

<213> Homo sapiens

<400> 279

Trp Thr Glu Leu Phe Arg Gly Leu Gly Met Thr Leu Ser Tyr Leu Phe
1 5 10 15

Arg Glu Pro Ala Thr Ile Asn Tyr Pro Phe Glu Lys Gly Pro Leu Ser
20 25 30

Pro Arg Phe Arg Gly Glu His Ala Leu Arg Arg Tyr Pro Ser Gly Glu
35 40 45

Glu Arg Cys Ile Ala Cys Lys Leu Cys Glu Ala Ile
50 55 60

<210> 280

<211> 57

<212> PRT

<213> Homo sapiens

<400> 280

Cys Pro Ala Gln Ala Ile Ile Glu Ala Glu Pro Arg Ala Asp Gly Ser
1 5 10 15

Arg Arg Thr Thr Arg Tyr Asp Ile Asp Met Thr Lys Cys Ile Tyr Cys
20 25 30

Gly Phe Cys Gln Glu Ala Cys Pro Val Asp Ala Ile Val Glu Gly Pro
35 40 45

Asn Phe Glu Phe Ser Thr Glu Thr His
50 55

<210> 281

<211> 19

<212> PRT

<213> Homo sapiens

<400> 281

Gly Asp Lys Trp Glu Ala Glu Ile Ala Ala Asn Ile Gln Ala Asp Tyr
1 5 10 15

Leu Tyr Arg

<210> 282

<211> 48

<212> PRT

<213> Homo sapiens

<400> 282

Ser Ala Ala Asp Pro Ala Thr Gln Pro Gly Asp Ser Arg Ala Leu Pro
1 5 10 15

Glu Pro Arg Gly Val Pro Ala Val His Pro Ala Gly Ser Gly Ser Glu

20

25

30

Trp Glu Arg Pro Pro Pro Ala Ala Pro Ser Pro Glu His Arg Asp Lys
 35 40 45

<210> 283

<211> 24

<212> PRT

<213> Homo sapiens

<400> 283

Asp Ser Arg Ala Leu Pro Glu Pro Arg Gly Val Pro Ala Val His Pro
 1 5 10 15

Ala Gly Ser Gly Ser Glu Trp Glu
 20

<210> 284

<211> 7

<212> PRT

<213> Homo sapiens

<400> 284

Glu Phe Gly Thr Ser Trp Val
 1 5

<210> 285

<211> 78

<212> PRT

<213> Homo sapiens

<400> 285

Thr Leu His Pro Pro Gln Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala
 1 5 10 15

Gly Asp Pro Ala Pro Leu Pro Ser Thr Ser Ser Val Gly Ser Ser Ser
 20 25 30

Gly Gly Ala Cys Gly Val Pro Cys Ala His Trp Arg Val Cys Gly Leu
 35 40 45

Ile His Leu Val Ala Leu Arg Gly Gly Ile Arg Ala Pro Val Ser Pro
 50 55 60

Pro Phe Met Phe Asn Leu His His Asn Leu Leu Asn Leu Arg
 65 70 75

<210> 286

<211> 21

<212> PRT

<213> Homo sapiens

<400> 286

Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala Gly Asp Pro Ala Pro Leu
 1 5 10 15

Pro Ser Thr Ser Ser
 20

<210> 287

<211> 15

<212> PRT

<213> Homo sapiens

<400> 287

Arg Val Cys Gly Leu Ile His Leu Val Ala Leu Arg Gly Gly Ile
 1 5 10 15

<210> 288

<211> 79

<212> PRT

<213> Homo sapiens

<400> 288

Gln Gly Tyr Ser Thr Lys Pro Arg Leu Met Val Pro Leu Lys Met Asp
 1 5 10 15

Ser Ile Thr Val His Ile Arg Ser Thr Asn Gly Pro Ile Asp Val Tyr
 20 25 30

Leu Cys Glu Val Glu Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly
 35 40 45

Val Gly Thr Ser Ser Ser Glu Ser Thr His Pro Glu Gly Pro Glu Glu
 50 55 60

Glu Glu Asn Pro Gln Gln Ser Glu Glu Leu Leu Glu Val Ser Asn
 65 70 75

<210> 289

<211> 30

<212> PRT

<213> Homo sapiens

<400> 289

Asp Ser Ile Thr Val His Ile Arg Ser Thr Asn Gly Pro Ile Asp Val
 1 5 10 15

Tyr Leu Cys Glu Val Glu Gln Gly Gln Thr Ser Asn Lys Arg
 20 25 30

<210> 290

<211> 25

<212> PRT

<213> Homo sapiens

<400> 290

Leu Met Val Pro Leu Lys Met Asp Ser Ile Thr Val His Ile Arg Ser
 1 5 10 15

Thr Asn Gly Pro Ile Asp Val Tyr Leu
 20 25

<210> 291

<211> 26

<212> PRT

<213> Homo sapiens

<400> 291

Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly Val Gly Thr Ser Ser
 1 5 10 15

Ser Glu Ser Thr His Pro Glu Gly Pro Glu
 20 25

<210> 292

<211> 19

<212> PRT

<213> Homo sapiens

<400> 292

Arg Pro Thr Arg Pro Ser Ile Leu Gly Leu Tyr Val Asp Leu Tyr Val
 1 5 10 15

Phe Cys Ile

<210> 293

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 293

Cys Gly Ala Cys Thr Xaa Leu Ser Leu Ser Asp Ser Arg Arg Cys Gly
 1 5 10 15

Cys Cys Lys Gly Ser Ser Leu Arg His Thr Ala Val Ala
 20 25

<210> 294

<211> 7

<212> PRT

<213> Homo sapiens

<400> 294

Gly Arg Pro Thr Arg Pro Ile

1

5

<210> 295

<211> 64

<212> PRT

<213> Homo sapiens

<400> 295

Asp Pro Arg Val Arg Asp Leu Gln Gln Lys Asp Ile Gly Val Lys Pro

1

5

10

15

Glu Phe Ser Phe Asn Ile Pro Arg Ala Lys Arg Glu Leu Ala Gln Leu

20

25

30

Asn Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val

35

40

45

Val Gln Leu Ile Thr Gln Ser Pro Ser Gln Arg Val Asn Leu Glu Thr

50

55

60

<210> 296

<211> 21

<212> PRT

<213> Homo sapiens

<400> 296

Gln Gln Lys Asp Ile Gly Val Lys Pro Glu Phe Ser Phe Asn Ile Pro

1

5

10

15

Arg Ala Lys Arg Glu

20

<210> 297

<211> 25

<212> PRT

<213> Homo sapiens

<400> 297

Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val Val

1

5

10

15

Gln Leu Ile Thr Gln Ser Pro Ser Gln

20

25

<210> 298

<211> 142

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 298

Gln Lys Glu Trp Lys Leu Phe Leu Arg Gly Arg Gln Asn Glu Lys Ser
 1 5 10 15

Gly Tyr Gln Lys Leu Leu Glu Leu Ile Leu Leu Asp Gln Thr Val Arg
 20 25 30

Val Val Thr Ala Gly Ser Ala Ile Leu Gln Lys Cys His Phe Tyr Glu
 35 40 45

Val Leu Ser Glu Ile Lys Arg Leu Gly Asp His Leu Ala Glu Lys Thr
 50 55 60

Ser Xaa Leu Pro Asn His Ser Glu Pro Asp His Asp Thr Asp Ala Gly
 65 70 75 80

Leu Glu Arg Thr Asn Pro Glu Tyr Glu Asn Glu Val Glu Ala Ser Met
 85 90 95

Asp Met Asp Leu Leu Glu Ser Ser Asn Ile Ser Glu Gly Glu Ile Glu
 100 105 110

Arg Leu Ile Asn Leu Leu Glu Glu Val Phe His Leu Met Glu Thr Ala
 115 120 125

Pro His Thr Met Ile Gln Gln Pro Val Lys Ser Phe Pro Thr
 130 135 140

<210> 299

<211> 27

<212> PRT

<213> Homo sapiens

<400> 299

Leu Arg Gly Arg Gln Asn Glu Lys Ser Gly Tyr Gln Lys Leu Leu Glu
 1 5 10 15

Leu Ile Leu Leu Asp Gln Thr Val Arg Val Val
 20 25

<210> 300

<211> 26

<212> PRT

<213> Homo sapiens

<400> 300

Ile Leu Gln Lys Cys His Phe Tyr Glu Val Leu Ser Glu Ile Lys Arg
 1 5 10 15

Leu Gly Asp His Leu Ala Glu Lys Thr Ser
 20 25

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<210> 301
<211> 22
<212> PRT
<213> Homo sapiens
```

```

<400> 301
Asp Ala Gly Leu Glu Arg Thr Asn Pro Glu Tyr Glu Asn Glu Val Glu
  1             5             10             15
Ala Ser Met Asp Asp
      20

```

```
<210> 302
<211> 26
<212> PRT
<213> Homo sapiens
```

```
<400> 302
Asn Ile Ser Glu Gly Glu Ile Glu Arg Leu Ile Asn Leu Leu Glu Glu
 1             5             10             15
Val Phe His Leu Met Glu Thr Ala Pro His
          20             25
```

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<210> 303
<211> 19
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 303  
Arg Arg Thr Ser Gly Ser Pro Xaa Ala Ala Gly Ile Arg His Glu Gly  
1          5          10          15 .  
  
Gly Phe Ile
```

```
<210> 304
<211> 149
<212> PRT
<213> Homo sapiens
```

```
<400> 304
Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
 1          5          10          15
Gly Thr Val Asn Asn Asp Asp Ser Asp Leu Leu Asp Ser Gln Val Gln
          20          25          30
```

Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala Thr Ser Asp His Pro
35 40 45

Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val Pro Ser
50 55 60

Asp Glu Ser Thr Pro Pro Ser Ile Lys Lys Ile Ile His Val Leu Glu
65 70 75 80

Lys Val Gln Tyr Leu Glu Gln Glu Val Glu Glu Phe Val Gly Lys Lys
85 90 95

Thr Asp Lys Ala Tyr Trp Leu Leu Glu Glu Met Leu Thr Lys Glu Leu
100 105 110

Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
115 120 125

Ala Arg Lys Glu Ala Val Cys Lys Ile Gln Ala Ile Leu Glu Lys Lys
130 135 140

Lys Lys Lys Asn Ser
145

<210> 305

<211> 87

<212> PRT

<213> Homo sapiens

<400> 305

Gly Ala Arg Ala Thr Ala Pro Val Thr Val Arg Pro Thr Ala Ala Thr
1 5 10 15

Thr Gly Leu Gly Val Glu Met Cys Arg Tyr Thr His Leu His Pro Tyr
20 25 30

Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly Gly Cys
35 40 45

Ala Gly Ala Ala Arg Arg Arg Pro Pro Gly Trp Glu Lys Ala Glu Glu
50 55 60

Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln Ser Leu Val Glu
65 70 75 80

Pro Glu Glu Ala Thr Arg Val
85

<210> 306

<211> 25

<212> PRT

<213> Homo sapiens

<400> 306

Pro Val Thr Val Arg Pro Thr Ala Ala Thr Thr Gly Leu Gly Val Glu
1 5 10 15

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Met Cys Arg Tyr Thr His Leu His Pro
20 25

<210> 307
<211> 25
<212> PRT
<213> Homo sapiens

<400> 307
Pro Tyr Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly
1 5 10 15

Gly Cys Ala Gly Ala Ala Arg Arg Arg
20 25

<210> 308
<211> 20
<212> PRT
<213> Homo sapiens

<400> 308
Lys Ala Glu Glu Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln
1 5 10 15

Ser Leu Val Glu
20

<210> 309
<211> 26
<212> PRT
<213> Homo sapiens

<400> 309
Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
1 5 10 15

Gly Thr Val Asn Asn Asp Asp Ser Asp Leu
20 25

<210> 310
<211> 24
<212> PRT
<213> Homo sapiens

<400> 310
Asp Ser Gln Val Gln Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala
1 5 10 15

Thr Ser Asp His Pro Asn Asn Gln
20

<210> 311

<211> 25
 <212> PRT
 <213> Homo sapiens

<400> 311
 His Pro Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val
 1 5 10 15
 Pro Ser Asp Glu Ser Thr Pro Pro Ser
 20 25

<210> 312
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 312
 Glu Val Glu Glu Phe Val Gly Lys Lys Thr Asp Lys Ala Tyr Trp Leu
 1 5 10 15
 Leu Glu Glu Met Leu Thr Lys Glu
 20

<210> 313
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 313
 Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
 1 5 10 15
 Ala Arg Lys Glu Ala Val Cys Lys
 20

<210> 314
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 314
 Ile Arg His Glu Tyr Pro Val Leu Ile Gln Phe Ser Val Ser Tyr Arg
 1 5 10 15
 Lys Ser Phe Ile Phe Cys Leu Pro Glu
 20 25

<210> 315
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 315

Ala Asp Val Glu Leu Val Asp Pro Xaa Gly Cys Arg Asn Ser Ala Arg
1 5 10 15

Ala Pro Ala Arg Lys Lys Glu Trp His Ser Trp Ala Trp Pro Arg Ile
20 25 30

Arg Val Ile Arg Ala Arg Glu Ser Leu Gly Ser
35 40

<210> 316

<211> 31

<212> PRT

<213> Homo sapiens

<400> 316

Glu Phe Gly Thr Ser Arg Gly Pro Val Pro Leu Ser Ser Thr Ser Pro
1 5 10 15

Met Pro Ser Arg Leu Val Ile Arg Ala His Ser Leu Leu Phe Ala
20 25 30

<210> 317

<211> 30

<212> PRT

<213> Homo sapiens

<400> 317

Phe Arg Ala Trp Arg Asn His Gly His Ser Cys Phe Leu Cys Glu Ile
1 5 10 15

Val Ile Arg Ser Gln Phe His Thr Thr Tyr Glu Pro Glu Ala
20 25 30

<210> 318

<211> 102

<212> PRT

<213> Homo sapiens

<400> 318

Ala Asp Asn Asn Phe Thr Gln Glu Thr Ala Met Thr Met Ile Thr Pro
1 5 10 15

Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
20 25 30

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
35 40 45

Ser Ala Arg Ala Val Leu Leu Ile Trp Gly His Gly Ser Ser Gly Lys
50 55 60

Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val Gly Gly Ser Val
65 70 75 80

Pro Val His Arg Tyr Leu Leu Ala Ala His Ile His Ser Glu Ala Leu
85 90 95

Leu Ser Gln Leu Arg Met
100

<210> 319

<211> 24

<212> PRT

<213> Homo sapiens

<400> 319

Thr Ala Met Thr Met Ile Thr Pro Ser Ser Lys Leu Thr Leu Thr Lys
1 5 10 15

Gly Asn Lys Ser Trp Ser Ser Thr
20

<210> 320

<211> 26

<212> PRT

<213> Homo sapiens

<400> 320

Ser Ser Gly Lys Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val
1 5 10 15

Gly Gly Ser Val Pro Val His Arg Tyr Leu
20 25

<210> 321

<211> 7

<212> PRT

<213> Homo sapiens

<400> 321

Val Asp Pro Val Lys Gly Gly
1 5

<210> 322

<211> 16

<212> PRT

<213> Homo sapiens

<400> 322

Ile Arg His Glu Arg His Glu Leu Val Pro Asn Ser Ala Arg Asp Phe
1 5 10 15

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<210> 323
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 323
 Ala Thr Ser His Cys Gly
 1 5

<210> 324
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 324
 Ala His Gly Gln Ile Glu Gly Lys Ala Leu Thr His Asp His Thr Ala
 1 5 10 15
 Glu Lys Trp Gln Arg Gln Asp Leu Asn Leu Glu Pro Leu Ala Pro His
 20 25 30
 Thr Ser Asn Leu Asn His Ser Pro Tyr Asn Thr Thr Tyr Val Val Lys
 35 40 45

<210> 325
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 325
 Leu Asn Ser Ser Asp Cys Gln Leu Ala
 1 5

<210> 326
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 326
 Thr Pro His Asn Leu Ser Ala Arg Arg Leu Ser Gly Thr Met Tyr Gly
 1 5 10 15
 Phe Phe Ala Leu Gln Leu Thr Val Leu Leu Val His Tyr Phe Phe Leu
 20 25 30

Ile

<210> 327
 <211> 40

<212> PRT
<213> Homo sapiens

<400> 327
Asn Ser Ala Arg Ala Lys Met Arg Leu Ser Thr Asn Leu Cys Ile Ile
1 5 10 15
Leu Ile Asn Ile Leu Ile Gln Asn Val Leu Asn Phe Asn Arg Lys Ile
20 25 30
Ile Phe Lys Phe Leu Pro Cys Ala
35 40

<210> 328
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 328
Asn Xaa Trp Ile Pro Arg Ala Ala Gly Ile Arg His Xaa Ala Ala Leu
1 5 10 15
Gly Gln Ala Gly Thr
20

<210> 329
<211> 85
<212> PRT
<213> Homo sapiens

<400> 329
Leu Leu Phe His Met Lys Leu Arg Lys Glu Val Glu Arg Thr Gly Leu
1 5 10 15
Val Leu Trp Ala Leu Leu Ala Gly Ala Pro Pro Thr Ala Gly Leu
20 25 30
Gln Leu Gln Gly Ser Glu Ala Ile Ser Glu Lys Val Gly Ser Gly Ala
35 40 45
Glu Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln
50 55 60
Gln Ala Phe His Leu Cys Pro Gln Val Ile His Gly Leu Leu Tyr His
65 70 75 80

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Leu Leu His Asp Ile
85

<210> 330
<211> 25
<212> PRT
<213> Homo sapiens

<400> 330
Arg Lys Glu Val Glu Arg Thr Gly Leu Val Leu Trp Ala Leu Leu Ala
1 5 10 15
Gly Ala Pro Pro Pro Thr Ala Gly Leu
20 25

<210> 331
<211> 23
<212> PRT
<213> Homo sapiens

<400> 331
Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln Gln
1 5 10 15
Ala Phe His Leu Cys Pro Gln
20

<210> 332
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 332
Gly Ser Arg Arg His Val Val Gly Lys Pro Gly Thr Pro Cys Arg Tyr
1 5 10 15
Arg Ala Gly Ile Pro Xaa Val Asp Pro Arg Val Arg Ser Ile Thr Val
20 25 30
Ile Val Lys Met Trp Phe Leu Arg Val Val Ala Thr Tyr Gly Gly Val
35 40 45

Glu Arg
50

<210> 333
<211> 18
<212> PRT
<213> Homo sapiens

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<400> 333

Ile Phe Ser Cys Asp Ser Ile Ala Ile Ile Gln Ile Lys His Leu Ala
 1 5 10 15

Phe Pro

<210> 334

<211> 34

<212> PRT

<213> Homo sapiens

<400> 334

Gly Leu Trp Leu Ser Leu Gly Gly Phe His Glu Arg Gly Gln Asp Trp
 1 5 10 15

Glu Gln Thr Gln Lys Ile Tyr Asn Cys His Val Leu Leu Asn Arg Lys
 20 25 30

Gly Gln

<210> 335

<211> 68

<212> PRT

<213> Homo sapiens

<400> 335

Ala Trp Pro Arg Leu Gly Ala Asp Ser Glu Asn Leu Gln Leu Ser Arg
 1 5 10 15

Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr His
 20 25 30

Leu Cys Asp Val Glu Ile Pro Gly Gln Gly Leu Cys Val Lys Ala Thr
 35 40 45

Leu Pro Cys Leu Gly Pro Val Leu Ser His Leu Ser Ala His Gln Gln
 50 55 60

Ala Arg Leu Val
 65

<210> 336

<211> 27

<212> PRT

<213> Homo sapiens

<400> 336

Arg Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr
 1 5 10 15

His Leu Cys Asp Val Glu Ile Pro Gly Gln Gly
 20 25

<210> 337
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 337
 Arg Arg Asp Ser Arg Ala Gly Ala
 1 5

<210> 338
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 338
 Leu Ser Ala Gly Asn His Asp Thr
 1 5

<210> 339
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 339
 Lys Gln Val Lys Cys Ala Lys Val Ser Tyr Leu Leu Phe Leu Phe Gln
 1 5 10 15

Tyr Cys Ala Ile Asp Ser Cys Ile Lys Phe Trp Asn Ala Gly Ser Ser
 20 25 30

Trp Leu Ser Ser Val Thr Leu Trp Ser
 35 40

<210> 340
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 340
 Ile Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val
 1 5 10

<210> 341
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 341
 Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu
 1 5 10

<210> 342
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 342
 Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val Glu Trp Met
 1 5 10 15
 Gln Asp Phe

<210> 343
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 343
 Ala Phe Gln Asp Ala Leu Asn Gln Glu Thr Thr Tyr Val
 1 5 10

<210> 344
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 344
 Asn Leu Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser
 1 5 10 15

Leu Arg Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu
 20 25 30

Leu Phe Val Gln Val Thr Ser Ala Ala
 35 40

<210> 345
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 345
 Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser
 1 5 10

<210> 346
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 346
 Lys Asp Met Gly Ser Val Ala Leu Asp Ala Gly Thr Ala Lys Asp Ser
 1 5 10 15

Leu Ser Pro Val Leu His Pro Ser Asp Leu Ile Leu Thr
20 25

<210> 347
<211> 28
<212> PRT
<213> Homo sapiens

<400> 347
Ala Gly Ser Gly Lys Thr Thr Phe Val Gln Arg Leu Thr Gly His Leu
1 5 10 15

His Ala Gln Gly Thr Pro Pro Tyr Val Ile Asn Leu
20 25

<210> 348
<211> 134
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 348
Ser Thr Trp Ile Gln Gln Tyr Met Lys Phe Pro Phe Leu Pro Ile Leu
1 5 10 15

Val Met Lys Phe Ile Glu Lys Ala Gln Asn Met Ser Lys Tyr Val Leu
20 25 30

Ile Asp Thr Pro Gly Gln Ile Glu Val Phe Thr Trp Ser Ala Ser Gly
35 40 45

Thr Ile Ile Thr Glu Ala Leu Ala Ser Ser Phe Pro Thr Val Xaa Ile
50 55 60

Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val Thr Phe Met Cys
65 70 75 80

Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu Ala Phe
85 90 95

Ile Xaa Gly Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val
100 105 110

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Glu Trp Met Gln Asp Phe Xaa Ala Phe Gln Asp Ala Leu Asn Gln Glu
 115 120 125

Thr Thr Tyr Val Ile Thr
 130

<210> 349

<211> 197

<212> PRT

<213> Homo sapiens

<400> 349

Gly Phe Pro Arg Cys Leu Glu Ser Arg Asp Tyr Ile Arg His Asn Leu
 1 5 10 15

Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser Leu Arg
 20 25 30

Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu Leu Phe
 35 40 45

Val Gln Val Thr Ser Ala Ala Glu Glu Tyr Glu Arg Glu Tyr Arg Pro
 50 55 60

Glu Tyr Glu Arg Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser Gln Gln
 65 70 75 80

Gln Arg Glu Gln Leu Glu Arg Leu Arg Lys Asp Met Gly Ser Val Ala
 85 90 95

Leu Asp Ala Gly Thr Ala Lys Asp Ser Leu Ser Pro Val Leu His Pro
 100 105 110

Ser Asp Leu Ile Leu Thr Arg Gly Thr Leu Asp Glu Glu Asp Glu Glu
 115 120 125

Ala Asp Ser Asp Thr Asp Asp Ile Asp His Arg Val Thr Glu Glu Ser
 130 135 140

His Glu Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln
 145 150 155 160

Tyr Trp Lys Arg Asn Asn Lys His Arg Val Thr Glu Glu Ser His Glu
 165 170 175

Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln Tyr Trp
 180 185 190

Lys Arg Asn Asn Lys
 195

<210> 350

<211> 10

<212> PRT

<213> Homo sapiens

<400> 350

Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
 1 5 10

<210> 351

<211> 39

<212> PRT

<213> Homo sapiens

<400> 351

Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
 1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
 20 25 30

His Gln Ile Lys Thr Ser Pro
 35

<210> 352

<211> 38

<212> PRT

<213> Homo sapiens

<400> 352

Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln
 1 5 10 15

Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met
 20 25 30

His Leu Asn Asp Asn Ser
 35

<210> 353

<211> 48

<212> PRT

<213> Homo sapiens

<400> 353

Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala
 1 5 10 15

Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu
 20 25 30

Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu
 35 40 45

<210> 354

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<211> 19
 <212> PRT
 <213> Homo sapiens

<400> 354
 Glu Phe Gly Thr Arg Ser Leu Asp Pro Ser Gly Arg His Arg Val Gly
 1 5 10 15

Ala Ala Gly

<210> 355
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 355
 Ala Gln Gly Arg Cys Ser Arg Asp Gly Ala Ser Ala His Gly Gly Leu
 1 5 10 15

Ser Val Pro Arg Trp Thr Cys Pro Ser Ser Gly Ser His Asn Pro Leu
 20 25 30

Pro Leu His Tyr Phe Thr Gln Val Gly Thr Phe Pro
 35 40

<210> 356
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 356
 Cys Arg Val Ser Ala Leu Arg Glu Leu Lys Asp Ser Gln Arg His Gln
 1 5 10 15

Gly Ser Leu Ala Gln Arg Ser Asn Ser Gln Ala Pro Arg Arg Thr Ala
 20 25 30

Met Glu Arg Thr Glu Thr His Leu Gln Trp Gly Leu
 35 40

<210> 357
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 357
 Gly Thr Leu Pro Val Pro Gly Val Gln Ser Leu Pro Thr Pro Ser Leu
 1 5 10 15

Cys Leu Pro Pro Ser Lys Gly Gly Val Thr Thr Ser Val Ala Lys His
 20 25 30

Leu Leu Pro Gly Ser Leu His Pro Gly His Leu Ser Leu
 35 40 45

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<210> 358

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 358

Trp	Ser	Val	Cys	Leu	Ser	Val	Pro	Pro	Ser	Leu	Asn	Leu	Leu	Pro	Pro
1					5				10					15	

Cys	Pro	Leu	Leu	Leu	Ala	Pro	Gly	Ser	Pro	Xaa	Pro	Leu	Leu	Ala	Ala
			20					25						30	

Pro	Ser	His	Leu	Thr	Gln	Gly	Ser	Leu	Arg	Thr	Leu	Lys	Trp	Trp	Ile
		35					40					45			

His	Pro	Glu
		50

<210> 359

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 359

Ser	Pro	Gly	Leu	Xaa	Gly	Ile	Arg	His	Glu	Gln	Pro	Ser	Lys	Leu	Met
1				5					10					15	

Arg	Glu	Leu	Ser	Ser	Asn	Glu	Asp	Asp	Ala	Asn	Ile	Leu	Ser	Ser	Pro
		20						25						30	

Thr	Asp	Arg	Ser	Met	Ser	Ser	Ser	Leu	Ser	Ala	Ser	Gln	Leu	His	Thr
		35					40						45		

Val	Asn
	50

<210> 360

<211> 25

<212> PRT

<213> Homo sapiens

<400> 360

Gln	Pro	Ser	Lys	Leu	Met	Arg	Leu	Leu	Ser	Ser	Asn	Glu	Asp	Asp	Ala
	1				5					10				15	

Asn Ile Leu Ser Ser Pro Thr Asp Arg
20 25

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Asn Leu Phe Leu Leu Ile Ser Ser Ile Leu
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Glu

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<213> Homo sapiens
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Lys Val Ser Ala Met Ser Ser Pro Lys Val Val Leu Ala Ile Thr Asp
  1             5             10            15
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<210> 364
<211> 9
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<213> Homo sapiens
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Asp Asn Tyr Cys Leu Gln Ile Asn Pro
1 5

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Lys Arg Ile Leu Asn Lys Pro Val Gly Leu Lys Asp Leu

1 5 10

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Gly Pro Gln Ile Ala Tyr Val Arg Asp Phe Lys Ala Lys Val Gln Tyr

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Phe Arg Phe Trp

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<212> PRT

<213> Homo sapiens

<400> 367

Tyr Phe Val Asn His Asn Thr Arg Ile Thr Gln Trp Glu Asp Pro Arg

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Ser Gln Gly Gln Leu

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<211> 23

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<400> 368

Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys Phe Ile Asp

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Thr Gly Phe Ser Leu Pro Phe

20

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<211> 18

<212> PRT

<213> Homo sapiens

<400> 369

Lys Gln Ile Met Trp Phe Trp Gln Phe Val Lys Glu Ile Asp Asn Glu

1 5 10 15

Lys Arg

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 <212> PRT
 <213> Homo sapiens

<400> 370
 Phe Asn Arg Leu Asp Leu Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys
 1 5 10 15

Glu

<210> 371
 <211> 474
 <212> PRT
 <213> Homo sapiens

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Lys Arg Thr Asp Ser Asn Gly Arg Val Tyr Phe Val Asn His Asn Thr

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35	40	45
Lys Pro Leu Pro Glu Gly Trp Glu Met Arg Phe Thr Val Asp Gly Ile		
50	55	60
Pro Tyr Phe Val Asp His Asn Arg Arg Thr Thr Thr Tyr Ile Asp Pro		
65	70	75
Arg Thr Gly Lys Ser Ala Leu Asp Asn Gly Pro Gln Ile Ala Tyr Val		
85	90	95
Arg Asp Phe Lys Ala Lys Val Gln Tyr Phe Arg Phe Trp Cys Gln Gln		
100	105	110
Leu Ala Met Pro Gln His Ile Lys Ile Thr Val Thr Arg Lys Thr Leu		
115	120	125
Phe Glu Xaa Ser Phe Gln Gln Xaa Xaa Ser Phe Ser Pro Gln Asp Leu		
130	135	140
Arg Xaa Arg Leu Trp Val Ile Phe Pro Gly Glu Gly Leu Asp Tyr		
145	150	155
Gly Gly Val Ala Arg Glu Trp Phe Phe Leu Leu Ser His Glu Val Leu		
165	170	175
Asn Pro Met Tyr Cys Leu Phe Glu Tyr Ala Gly Lys Asp Asn Tyr Cys		
180	185	190
Leu Gln Ile Asn Pro Xaa Ser Tyr Ile Asn Pro Asp His Leu Lys Tyr		
195	200	205
Phe Arg Phe Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys		
210	215	220
Phe Ile Asp Thr Gly Phe Ser Leu Pro Phe Xaa Lys Arg Ile Leu Asn		
225	230	235
Lys Pro Val Gly Leu Lys Asp Leu Glu Ser Ile Asp Pro Glu Phe Tyr		
245	250	255
Asn Ser Leu Ile Trp Val Lys Glu Asn Ile Glu Glu Cys Asp Leu		
260	265	270
Glu Met Tyr Phe Ser Val Asp Lys Glu Ile Leu Gly Glu Ile Lys Ser		
275	280	285
His Asp Leu Lys Pro Asn Gly Gly Asn Ile Leu Val Thr Glu Glu Asn		
290	295	300
Lys Glu Glu Tyr Ile Arg Met Val Ala Glu Trp Arg Leu Ser Arg Gly		
305	310	315
Val Glu Glu Gln Thr Gln Ala Phe Phe Glu Gly Phe Asn Glu Ile Leu		
325	330	335

Pro Gln Gln Tyr Leu Gln Tyr Phe Asp Ala Lys Glu Leu Glu Val Leu
340 345 350

Leu Cys Gly Met Gln Glu Ile Asp Leu Asn Asp Trp Gln Arg His Ala
355 360 365

Ile Tyr Arg His Tyr Ala Arg Thr Ser Lys Gln Ile Met Trp Phe Trp
370 375 380

Gln Phe Val Lys Glu Ile Asp Asn Glu Lys Arg Met Arg Leu Leu Gln
385 390 395 400

Phe Val Thr Gly Thr Cys Arg Leu Pro Val Gly Gly Phe Ala Asp Leu
405 410 415

Met Gly Ser Asn Gly Pro Gln Lys Phe Cys Ile Xaa Lys Val Gly Lys
420 425 430

Glu Asn Trp Leu Pro Arg Ser His Thr Cys Phe Asn Arg Leu Asp Leu
435 440 445

Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys Glu Lys Leu Leu Phe Ala
450 455 460

Ile Glu Glu Thr Glu Gly Phe Gly Gln Glu
465 470